

MR23 Circular power connectors



MR23 Circular connector

300V- 20A

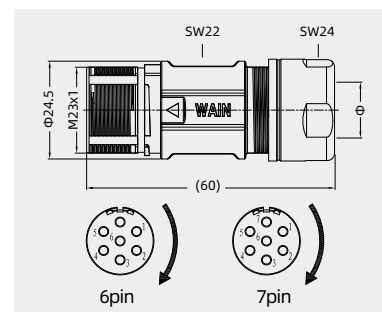
Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

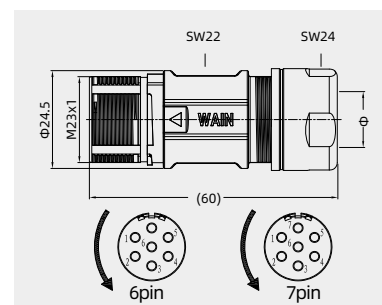
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23-006-CCT-D8-SH	181 006 700 2001
	6-10mm	MR23-006-CCT-D10-SH	181 006 700 2002
	9-14.5mm	MR23-006-CCT-D14.5-SH	181 006 700 2003
7	4.5-8mm	MR23-007-CCT-D8-SH	181 007 700 2001
	6-10mm	MR23-007-CCT-D10-SH	181 007 700 2002
	9-14.5mm	MR23-007-CCT-D14.5-SH	181 007 700 2003

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23-006R-CCT-D8-SH	181 006 700 2004
	6-10mm	MR23-006R-CCT-D10-SH	181 006 700 2005
	9-14.5mm	MR23-006R-CCT-D14.5-SH	181 006 700 2006
7	4.5-8mm	MR23-007R-CCT-D8-SH	181 007 700 2004
	6-10mm	MR23-007R-CCT-D10-SH	181 007 700 2005
	9-14.5mm	MR23-007R-CCT-D14.5-SH	181 007 700 2006



Crimp contacts

Crimp contacts 20A

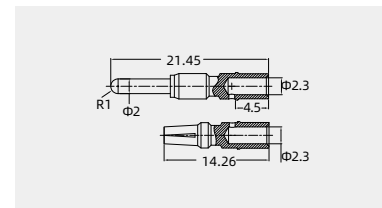
20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

300V- 20A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

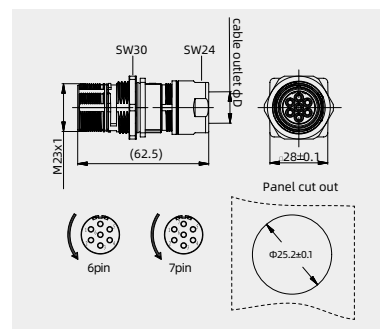
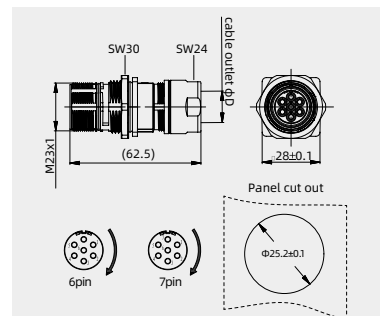
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23-006-CCT/R-D8-SH	181 006 700 2007
	6-10mm	MR23-006-CCT/R-D10-SH	181 006 700 2008
	9-14.5mm	MR23-006-CCT/R-D14.5-SH	181 006 700 2009
7	4.5-8mm	MR23-007-CCT/R-D8-SH	181 007 700 2007
	6-10mm	MR23-007-CCT/R-D10-SH	181 007 700 2008
	9-14.5mm	MR23-007-CCT/R-D14.5-SH	181 007 700 2009

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23-006R-CCT/R-D8-SH	181 006 700 2010
	6-10mm	MR23-006R-CCT/R-D10-SH	181 006 700 2011
	9-14.5mm	MR23-006R-CCT/R-D14.5-SH	181 006 700 2012
7	4.5-8mm	MR23-007R-CCT/R-D8-SH	181 007 700 2010
	6-10mm	MR23-007R-CCT/R-D10-SH	181 007 700 2011
	9-14.5mm	MR23-007R-CCT/R-D14.5-SH	181 007 700 2012



Crimp contacts

Remark: SPQ is 100pcs

Crimp contacts 20A

20A



NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001

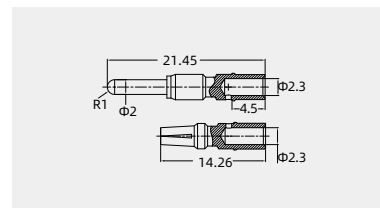
Remark: SPQ is 1pc

Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039



Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9(8+1)	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.03-1.0+0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

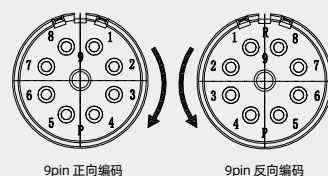
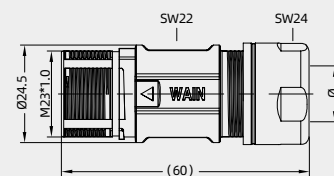
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009-CCT-D8-SH	181 009 700 2501
	6-10mm	MR23-009-CCT-D10-SH	181 009 700 2502
	9-14.5mm	MR23-009-CCT-D14.5-SH	181 009 700 2503

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R-CCT-D8-SH	181 009 700 2504
	6-10mm	MR23-009R-CCT-D10-SH	181 009 700 2500
	9-14.5mm	MR23-009R-CCT-D14.5-SH	181 009 700 2505



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

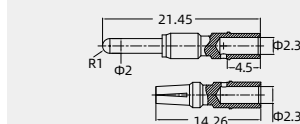
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

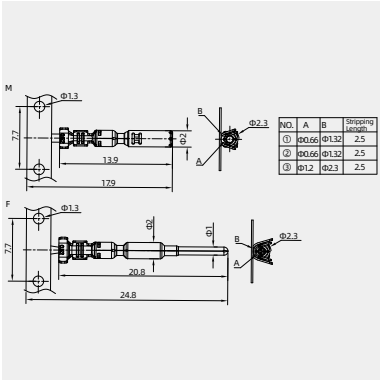
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.14-1.0 + 0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

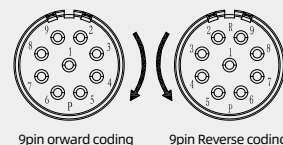
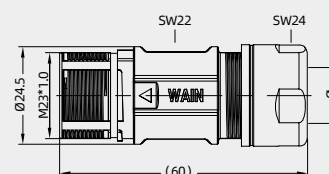
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009/B-CCT-D8-SH	181 009 700 2506
	6-10mm	MR23-009/B-CCT-D10-SH	181 009 700 2507
	9-14.5mm	MR23-009/B-CCT-D14.5-SH	181 009 700 2508

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R/B-CCT-D8-SH	181 009 700 2509
	6-10mm	MR23-009R/B-CCT-D10-SH	181 009 700 2510
	9-14.5mm	MR23-009R/B-CCT-D14.5-SH	181 009 700 2511



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

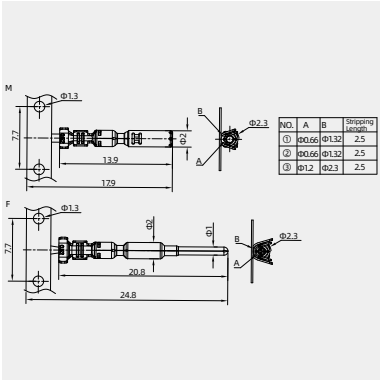
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm ² / AWG	0.14-1.0 + 0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

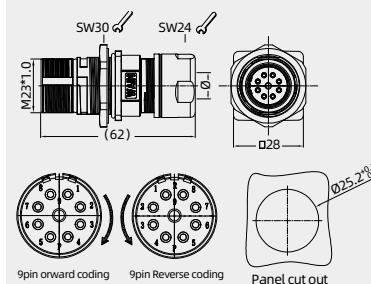
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009-CCT/R-D8-SH	181 009 700 2512
	6-10mm	MR23-009-CCT/R-D10-SH	181 009 700 2513
	9-14.5mm	MR23-009-CCT/R-D14.5-SH	181 009 700 2514

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R-CCT/R-D8-SH	181 009 700 2515
	6-10mm	MR23-009R-CCT/R-D10-SH	181 009 700 2516
	9-14.5mm	MR23-009R-CCT/R-D14.5-SH	181 009 700 2517



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

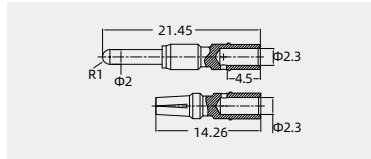
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

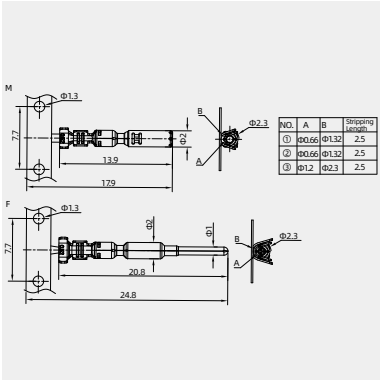
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.03-1.0	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

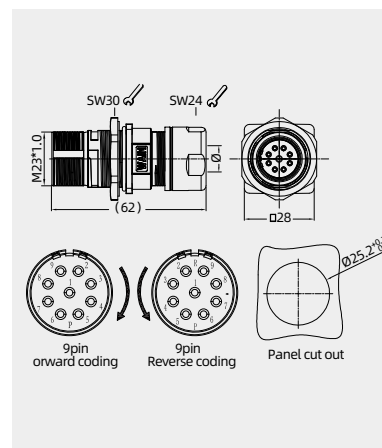
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009/B-CCT/R-D8-SH	181 009 700 2518
	6-10mm	MR23-009/B-CCT/R-D10-SH	181 009 700 2519
	9-14.5mm	MR23-009/B-CCT/R-D14.5-SH	181 009 700 2520

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R/B-CCT/R-D8-SH	181 009 700 2521
	6-10mm	MR23-009R/B-CCT/R-D10-SH	181 009 700 2522
	9-14.5mm	MR23-009R/B-CCT/R-D14.5-SH	181 009 700 2523



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

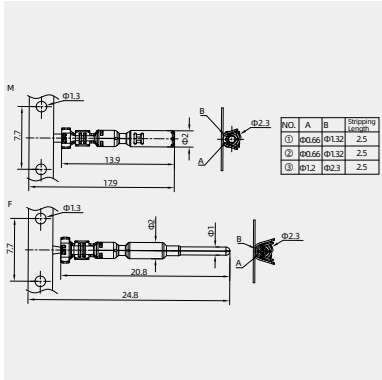
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9 (8+1)	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm ² / AWG	0.03-1.0+0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

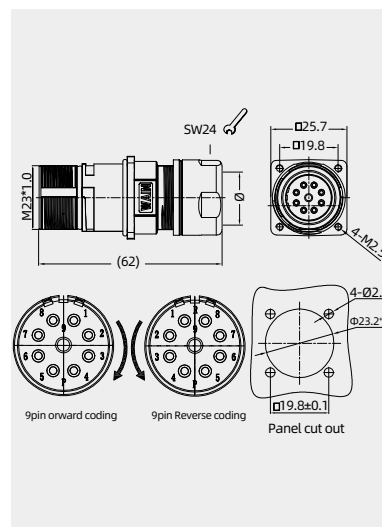
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009-CCT/R26-D8-SH	181 009 700 2524
	6-10mm	MR23-009-CCT/R26-D10-SH	181 009 700 2525
	9-14.5mm	MR23-009-CCT/R26-D14.5-SH	181 009 700 2526

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R-CCT/R26-D8-SH	181 009 700 2527
	6-10mm	MR23-009R-CCT/R26-D10-SH	181 009 700 2528
	9-14.5mm	MR23-009R-CCT/R26-D14.5-SH	181 009 700 2529



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

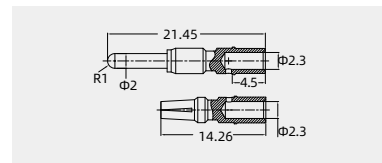
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

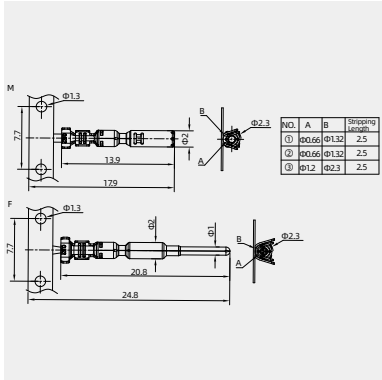
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm ² / AWG	0.03-1.0	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

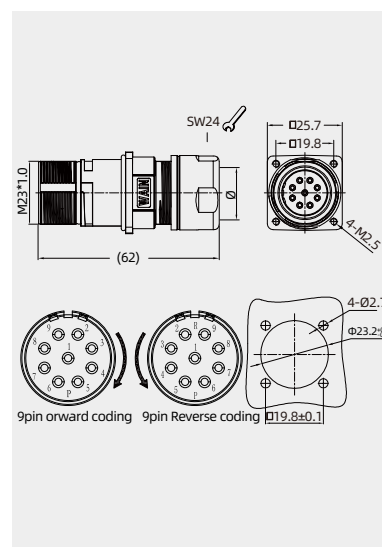
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R/B-CCT/R26-D8-SH	181 009 700 2530
	6-10mm	MR23-009R/B-CCT/R26-D10-SH	181 009 700 2531
	9-14.5mm	MR23-009R/B-CCT/R26-D14.5-SH	181 009 700 2532

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R/B-CCT/R26-D8-SH	181 009 700 2533
	6-10mm	MR23-009R/B-CCT/R26-D10-SH	181 009 700 2534
	9-14.5mm	MR23-009R/B-CCT/R26-D14.5-SH	181 009 700 2535



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

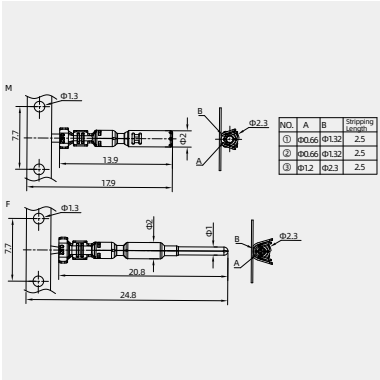
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9 (8+1)	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm ² / AWG	0.03-1.0+0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

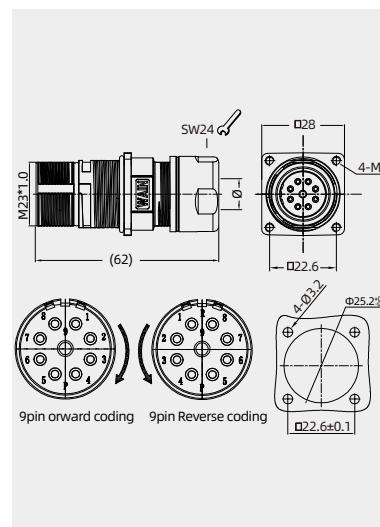
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009-CCT/R28-D8-SH	181 009 700 2536
	6-10mm	MR23-009-CCT/R28-D10-SH	181 009 700 2537
	9-14.5mm	MR23-009-CCT/R28-D14.5-SH	181 009 700 2538

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R-CCT/R28-D8-SH	181 009 700 2539
	6-10mm	MR23-009R-CCT/R28-D10-SH	181 009 700 2540
	9-14.5mm	MR23-009R-CCT/R28-D14.5-SH	181 009 700 2541



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Crimp contacts 20A

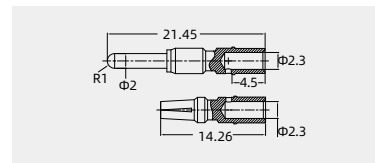
20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

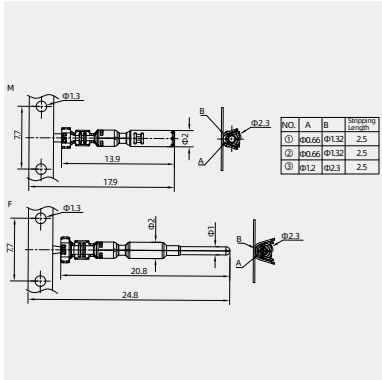
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.03-1.0	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

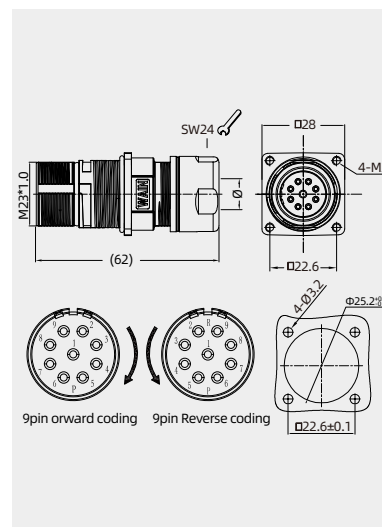
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009/B-CCT/R28-D8-SH	181 009 700 2542
	6-10mm	MR23-009/B-CCT/R28-D10-SH	181 009 700 2543
	9-14.5mm	MR23-009/B-CCT/R28-D14.5-SH	181 009 700 2544

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R/B-CCT/R28-D8-SH	181 009 700 2545
	6-10mm	MR23-009R/B-CCT/R28-D10-SH	181 009 700 2546
	9-14.5mm	MR23-009R/B-CCT/R28-D14.5-SH	181 009 700 2547



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

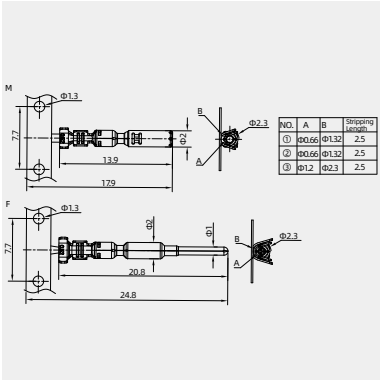
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

300V- 20A

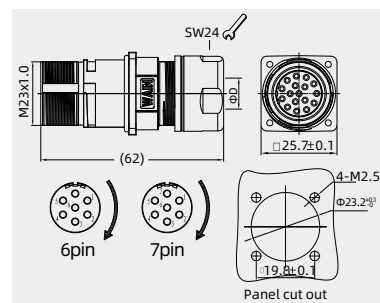
Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

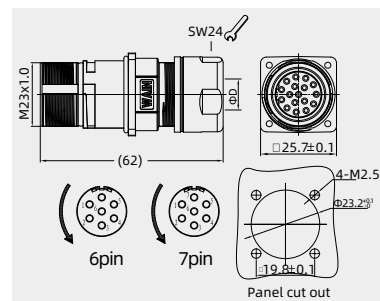
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23-006-CCT/R26-D8-SH	181 006 700 2013
	6-10mm	MR23-006-CCT/R26-D10-SH	181 006 700 2014
	9-14.5mm	MR23-006-CCT/R26-D14.5-SH	181 006 700 2015
7	4.5-8mm	MR23-007-CCT/R26-D8-SH	181 007 700 2013
	6-10mm	MR23-007-CCT/R26-D10-SH	181 007 700 2014
	9-14.5mm	MR23-007-CCT/R26-D14.5-SH	181 007 700 2015

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23-006R-CCT/R26-D8-SH	181 006 700 2016
	6-10mm	MR23-006R-CCT/R26-D10-SH	181 006 700 2017
	9-14.5mm	MR23-006R-CCT/R26-D14.5-SH	181 006 700 2018
7	4.5-8mm	MR23-007R-CCT/R26-D8-SH	181 007 700 2016
	6-10mm	MR23-007R-CCT/R26-D10-SH	181 007 700 2017
	9-14.5mm	MR23-007R-CCT/R26-D14.5-SH	181 007 700 2018



Crimp contacts

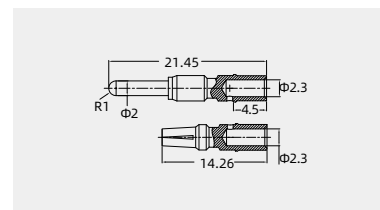
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

300V- 20A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical data	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23-006-CCT/R28-D8-SH	181 006 700 2019
	6-10mm	MR23-006-CCT/R28-D10-SH	181 006 700 2020
	9-14.5mm	MR23-006-CCT/R28-D14.5-SH	181 006 700 2021
7	4.5-8mm	MR23-007-CCT/R28-D8-SH	181 007 700 2019
	6-10mm	MR23-007-CCT/R28-D10-SH	181 007 700 2020
	9-14.5mm	MR23-007-CCT/R28-D14.5-SH	181 007 700 2021

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23-006R-CCT/R28-D8-SH	181 006 700 2022
	6-10mm	MR23-006R-CCT/R28-D10-SH	181 006 700 2023
	9-14.5mm	MR23-006R-CCT/R28-D14.5-SH	181 006 700 2024
7	4.5-8mm	MR23-007R-CCT/R28-D8-SH	181 007 700 2022
	6-10mm	MR23-007R-CCT/R28-D10-SH	181 007 700 2023
	9-14.5mm	MR23-007R-CCT/R28-D14.5-SH	181 007 700 2024

Crimp contacts

Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

160V/125V- 7A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated voltage	160 V	125 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

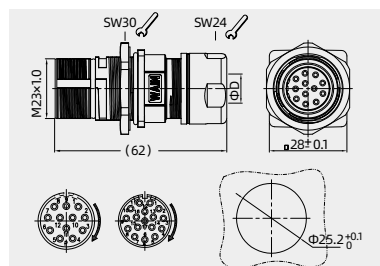
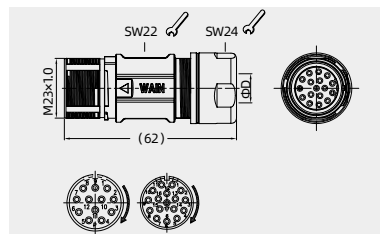
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23-012-CCT-D8-SH	181 012 700 4004
	6-10mm	MR23-012-CCT-D10-SH	181 012 700 4005
	9-14.5mm	MR23-012-CCT-D14.5-SH	181 012 700 4007
17	4.5-8mm	MR23-017-CCT-D8-SH	181 017 700 2011
	6-10mm	MR23-017-CCT-D10-SH	181 017 400 2011
	9-14.5mm	MR23-017-CCT-D14.5-SH	181 017 421 2011

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23-012R-CCT-D8-SH	181 012 700 4008
	6-10mm	MR23-012R-CCT-D10-SH	181 012 421 2010
	9-14.5mm	MR23-012R-CCT-D14.5-SH	181 012 700 4009
17	4.5-8mm	MR23-017R-CCT-D8-SH	181 017 700 4004
	6-10mm	MR23-017R-CCT-D10-SH	181 017 700 2009
	9-14.5mm	MR23-017R-CCT-D14.5-SH	181 017 700 2010



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

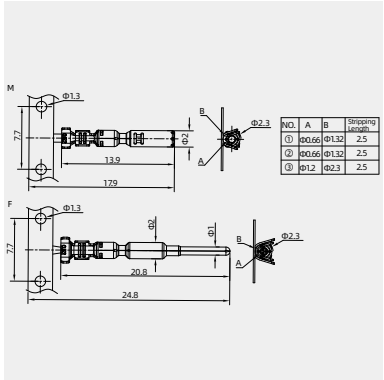
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

160V/125V- 7A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated voltage	160 V	125 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

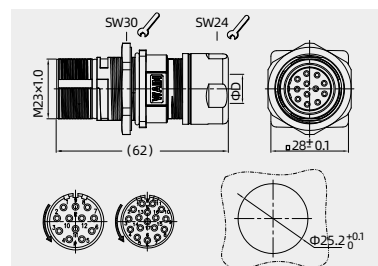
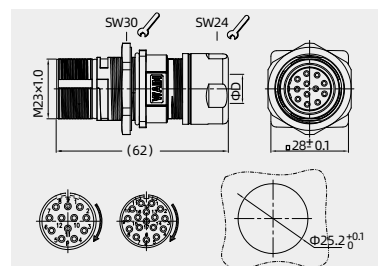
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23-012-CCT/R-D8-SH	181 012 700 2008
	6-10mm	MR23-012-CCT/R-D10-SH	181 012 700 2007
	9-14.5mm	MR23-012-CCT/R-D14.5-SH	181 012 700 4011
17	4.5-8mm	MR23-017-CCT/R-D8-SH	181 017 700 2008
	6-10mm	MR23-017-CCT/R-D10-SH	181 017 400 2014
	9-14.5mm	MR23-017-CCT/R-D14.5-SH	181 017 700 2007

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23-012R-CCT/R-D8-SH	181 012 700 2014
	6-10mm	MR23-012R-CCT/R-D10-SH	181 012 700 2012
	9-14.5mm	MR23-012R-CCT/R-D14.5-SH	181 012 700 2013
17	4.5-8mm	MR23-017R-CCT/R-D8-SH	181 017 700 2021
	6-10mm	MR23-017R-CCT/R-D10-SH	181 017 700 2019
	9-14.5mm	MR23-017R-CCT/R-D14.5-SH	181 017 700 2020



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

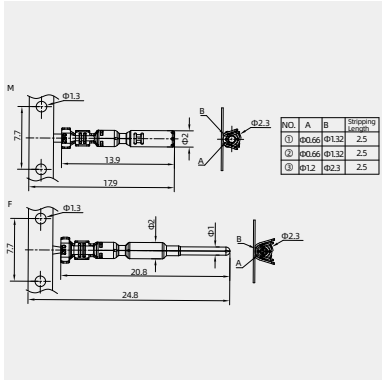
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

160V/125V- 7A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated voltage	160 V	125 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

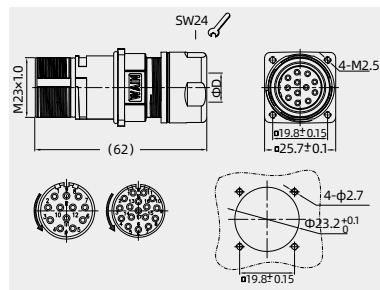
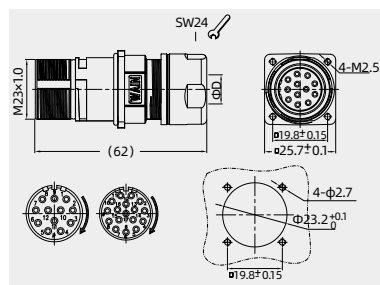
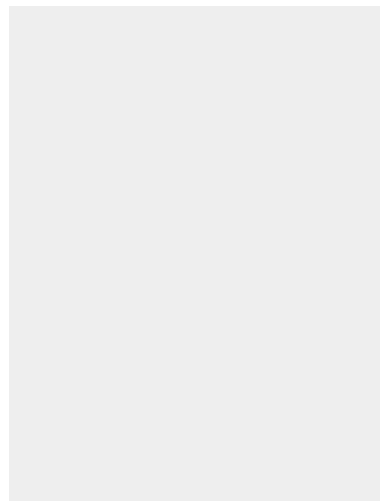
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23-012-CCT/R26-D8-SH	181 012 700 2003
	6-10mm	MR23-012-CCT/R26-D10-SH	181 012 700 2001
	9-14.5mm	MR23-012-CCT/R26-D14.5-SH	181 012 700 2002
17	4.5-8mm	MR23-017-CCT/R26-D8-SH	181 017 700 2003
	6-10mm	MR23-017-CCT/R26-D10-SH	181 017 700 2001
	9-14.5mm	MR23-017-CCT/R26-D14.5-SH	181 017 700 2002

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23-012R-CCT/R26-D8-SH	181 012 700 2011
	6-10mm	MR23-012R-CCT/R26-D10-SH	181 012 700 2009
	9-14.5mm	MR23-012R-CCT/R26-D14.5-SH	181 012 700 2010
17	4.5-8mm	MR23-017R-CCT/R26-D8-SH	181 017 700 2015
	6-10mm	MR23-017R-CCT/R26-D10-SH	181 017 700 2013
	9-14.5mm	MR23-017R-CCT/R26-D14.5-SH	181 017 700 2014



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

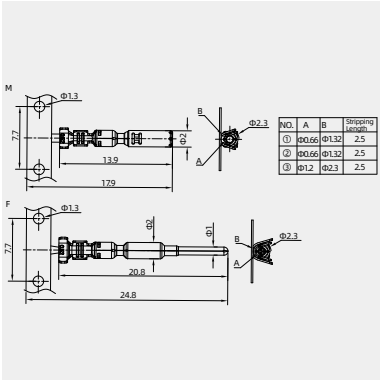
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

160V/125V- 7A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical data	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)			
Rated voltage	160 V	125 V	Contact resistance	≤ 5 mΩ
Rated impulse voltage	2.5 kV	2.0 kV	Insulating bodies	PBT
Pollution degree	3	3	Contact material	copper alloy
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Contact surface	gold plated
Overvoltage categorie	III	III	Mechanical working life	>500
			Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

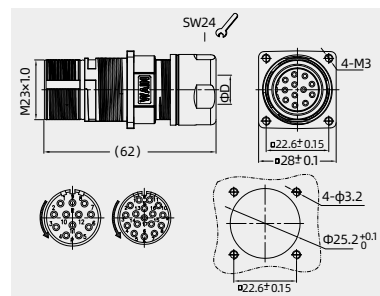
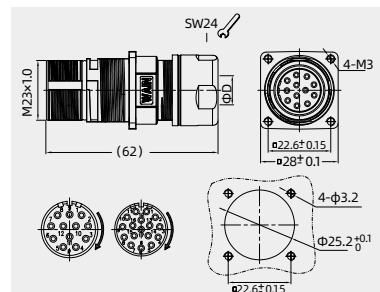
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23-012-CCT/R28-D8-SH	181 012 700 2006
	6-10mm	MR23-012-CCT/R28-D10-SH	181 012 700 2004
	9-14.5mm	MR23-012-CCT/R28-D14.5-SH	181 012 700 2005
17	4.5-8mm	MR23-017-CCT/R28-D8-SH	181 017 700 2006
	6-10mm	MR23-017-CCT/R28-D10-SH	181 017 700 2004
	9-14.5mm	MR23-017-CCT/R28-D14.5-SH	181 017 700 2005

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23-012R-CCT/R28-D8-SH	181 012 799 2010
	6-10mm	MR23-012R-CCT/R28-D10-SH	181 012 799 2011
	9-14.5mm	MR23-012R-CCT/R28-D14.5-SH	181 012 799 2012
17	4.5-8mm	MR23-017R-CCT/R28-D8-SH	181 017 700 2018
	6-10mm	MR23-017R-CCT/R28-D10-SH	181 017 700 2016
	9-14.5mm	MR23-017R-CCT/R28-D14.5-SH	181 017 700 2017



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

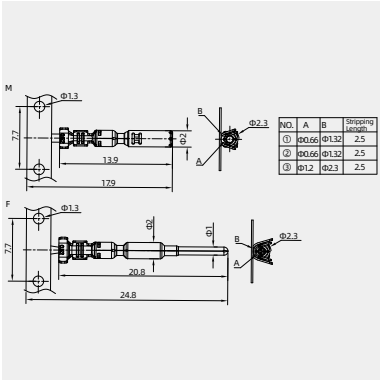
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

63V- 7A

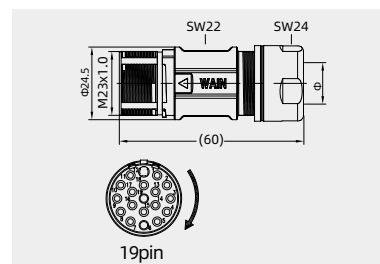
Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
power:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

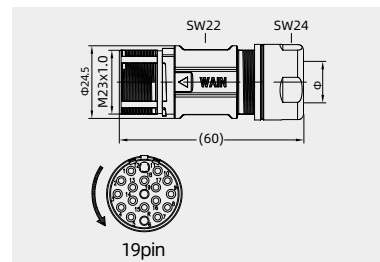
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019-CCT-D8-SH	181 019 700 2001
	6-10mm	MR23-019-CCT-D10-SH	181 019 700 2002
	9-14.5mm	MR23-019-CCT-D14.5-SH	181 019 700 2003

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019R-CCT-D8-SH	181 019 700 2004
	6-10mm	MR23-019R-CCT-D10-SH	181 019 700 2005
	9-14.5mm	MR23-019R-CCT-D14.5-SH	181 019 700 2006



Crimp contacts

Power/Signal Crimp contacts

Signal (x16)



Power (x3)



Signal (x16)



Power (x3)



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
③	0.14-1.0	MR23-MC7G-1.0	101 015 210 0801
④	0.5-1.5	MR23-MC7G-1.5	101 015 210 0901
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
③	0.14-1.0	MR23-FC7G-1.0	101 015 220 0801
④	0.5-1.5	MR23-FC7G-1.5	101 015 220 0901

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	21	4mm
②	2.1	1.45	21	4mm
③	2.1	1.45	20.65	6mm
④	2.1	1.75	20.65	6mm

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	2.1	1.45	13.9	6mm
④	2.1	1.75	13.9	6mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

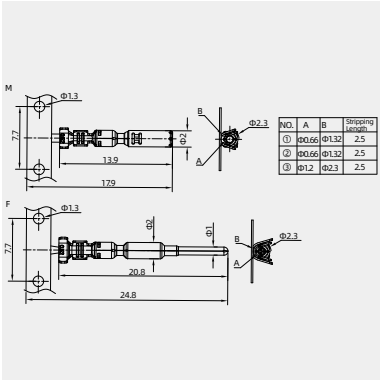
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

63V- 7A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
power:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

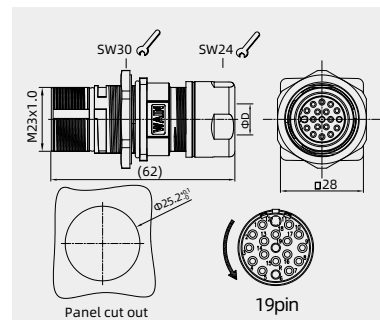
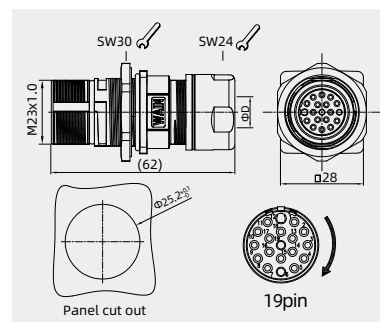
Remark: SPQ is 5pcs

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019-CCT/R-D8-SH	181 019 700 2007
	6-10mm	MR23-019-CCT/R-D10-SH	181 019 700 2008
	9-14.5mm	MR23-019-CCT/R-D14.5-SH	181 019 700 2009



Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019R-CCT/R-D8-SH	181 019 700 2010
	6-10mm	MR23-019R-CCT/R-D10-SH	181 019 700 2011
	9-14.5mm	MR23-019R-CCT/R-D14.5-SH	181 019 700 2012



Crimp contacts

Power/Signal Crimp contacts

Remark: SPQ is 100pcs

Signal (x16)	Power (x3)	Signal (x16)	Power (x3)
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
③	0.14-1.0	MR23-MC7G-1.0	101 015 210 0801
④	0.5-1.5	MR23-MC7G-1.5	101 015 210 0901
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
③	0.14-1.0	MR23-FC7G-1.0	101 015 220 0801
④	0.5-1.5	MR23-FC7G-1.5	101 015 220 0901

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	21	4mm
②	2.1	1.45	21	4mm
③	2.1	1.45	20.65	6mm
④	2.1	1.75	20.65	6mm

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	2.1	1.45	13.9	6mm
④	2.1	1.75	13.9	6mm

Tools

Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039



Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

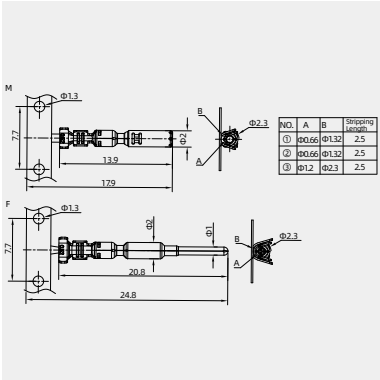
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

63V- 7A

Technical characteristics

Specifications			
Specifications		DIN EN 60 664 DIN EN 61 984	
Approvals			
Electrical data		Mechanical data	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
power:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately



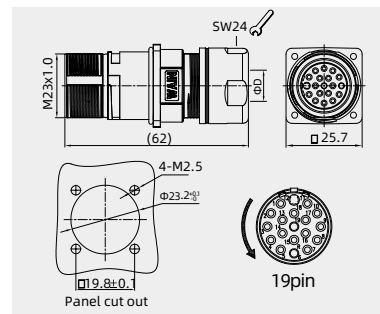
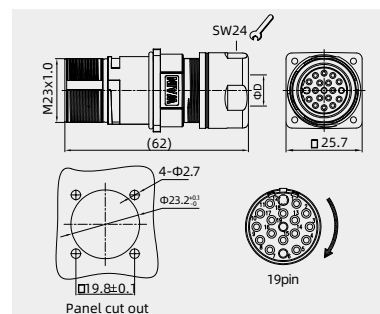
Remark: SPQ is 5pcs

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019-CCT/R26-D8-SH	181 019 700 2013
	6-10mm	MR23-019-CCT/R26-D10-SH	181 019 700 2014
	9-14.5mm	MR23-019-CCT/R26-D14.5-SH	181 019 700 2015

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019R-CCT/R26-D10-SH	181 019 700 2016
	6-10mm	MR23-019R-CCT/R26-D10-SH	181 019 700 2017
	9-14.5mm	MR23-019R-CCT/R26-D14.5-SH	181 019 700 2018



Crimp contacts

Power/Signal Crimp contacts

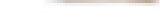
Signal (x16)



Power (x3)



Signal (x16)



Power (x3)



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
③	0.14-1.0	MR23-MC7G-1.0	101 015 210 0801
④	0.5-1.5	MR23-MC7G-1.5	101 015 210 0901
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
③	0.14-1.0	MR23-FC7G-1.0	101 015 220 0801
④	0.5-1.5	MR23-FC7G-1.5	101 015 220 0901

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	21	4mm
②	2.1	1.45	21	4mm
③	2.1	1.45	20.65	6mm
④	2.1	1.75	20.65	6mm

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	2.1	1.45	13.9	6mm
④	2.1	1.75	13.9	6mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

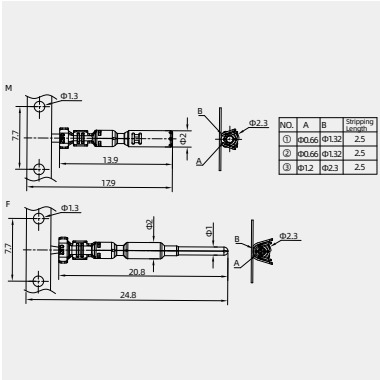
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

63V- 7A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
power:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

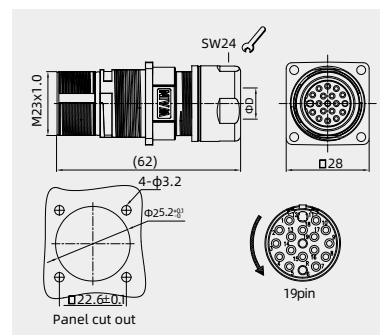
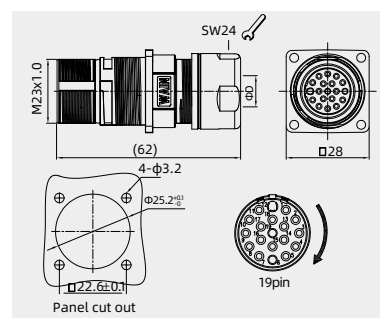
Remark: SPQ is 5pcs

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019-CCT/R28-D8-SH	181 019 700 2019
	6-10mm	MR23-019-CCT/R28-D10-SH	181 019 700 2020
	9-14.5mm	MR23-019-CCT/R28-D14.5-SH	181 019 700 2021



Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019R-CCT/R28-D8-SH	181 019 700 2022
	6-10mm	MR23-019R-CCT/R28-D10-SH	181 019 700 2023
	9-14.5mm	MR23-019R-CCT/R28-D14.5-SH	181 019 700 2024



Crimp contacts

Power/Signal Crimp contacts

Remark: SPQ is 100pcs

Signal (x16)	NO.	Wire gauge(mm ²)	Male	Order No.
	①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
	②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
	③	0.14-1.0	MR23-MC7G-1.0	101 015 210 0801
	④	0.5-1.5	MR23-MC7G-1.5	101 015 210 0901
Power (x3)	NO.	Wire gauge(mm ²)	Female	Order No.
	①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
	②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
	③	0.14-1.0	MR23-FC7G-1.0	101 015 220 0801
	④	0.5-1.5	MR23-FC7G-1.5	101 015 220 0901

Tools

Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039



NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	21	4mm
②	2.1	1.45	21	4mm
③	2.1	1.45	20.65	6mm
④	2.1	1.75	20.65	6mm

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	2.1	1.45	13.9	6mm
④	2.1	1.75	13.9	6mm

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts



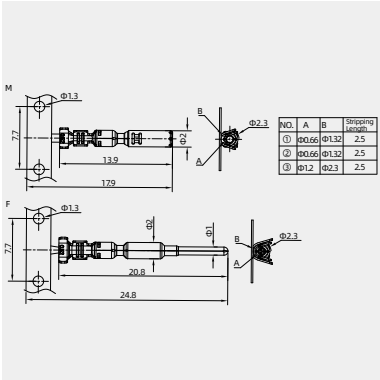
coil stock



Note: 10kpcs/ volume

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



MR23 Circular connector

300V- 20A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical data	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

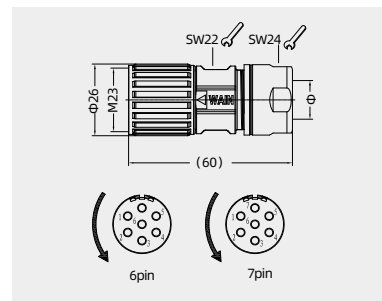
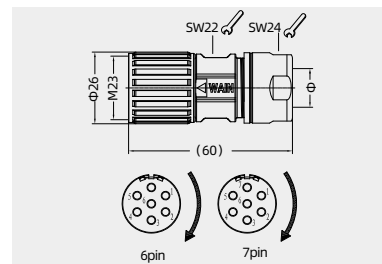
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23-006-T-D8-SH	181 006 400 2001
	6-10mm	MR23-006-T-D10-SH	181 006 400 2002
	9-14.5mm	MR23-006-T-D14.5-SH	181 006 400 2003
7	4.5-8mm	MR23-007-T-D8-SH	181 007 400 2001
	6-10mm	MR23-007-T-D10-SH	181 007 400 2002
	9-14.5mm	MR23-007-T-D14.5-SH	181 007 400 2003

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23-006R-T-D8-SH	181 006 400 2004
	6-10mm	MR23-006R-T-D10-SH	181 006 400 2005
	9-14.5mm	MR23-006R-T-D14.5-SH	181 006 400 2006
7	4.5-8mm	MR23-007R-T-D8-SH	181 007 400 2004
	6-10mm	MR23-007R-T-D10-SH	181 007 400 2005
	9-14.5mm	MR23-007R-T-D14.5-SH	181 007 400 2006



Crimp contacts

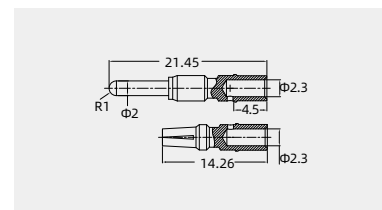
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

300V- 20A

Technical characteristics



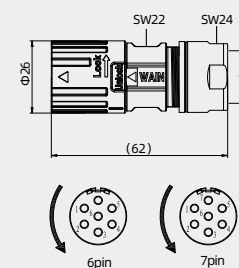
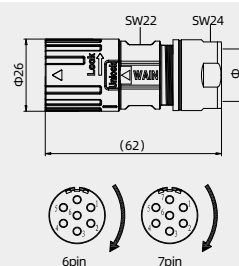
Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical data	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23Q-006-T-D8-SH	181 006 400 2504
	6-10mm	MR23Q-006-T-D10-SH	181 006 400 2501
	9-14.5mm	MR23Q-006-T-D14.5-SH	181 000 499 2501
7	4.5-8mm	MR23Q-007-T-D8-SH	181 007 400 2504
	6-10mm	MR23Q-007-T-D10-SH	181 007 400 2501
	9-14.5mm	MR23Q-007-T-D14.5-SH	181 000 499 2503

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
6	4.5-8mm	MR23Q-006R-T-D8-SH	181 006 400 2505
	6-10mm	MR23Q-006R-T-D10-SH	181 006 400 2506
	9-14.5mm	MR23Q-006R-T-D14.5-SH	181 000 499 2502
7	4.5-8mm	MR23Q-007R-T-D8-SH	181 007 400 2505
	6-10mm	MR23Q-007R-T-D10-SH	181 007 400 2506
	9-14.5mm	MR23Q-007R-T-D14.5-SH	181 000 499 2504



Crimp contacts

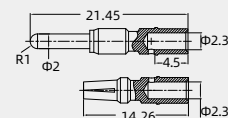
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9 (8+1)	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm ² / AWG	0.03-1.0+0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

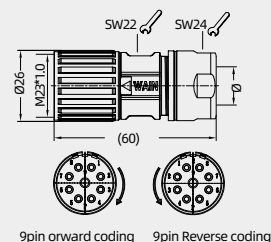
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009-T-D8-SH	181 009 400 2504
	6-10mm	MR23-009-T-D10-SH	181 009 400 2502
	9-14.5mm	MR23-009-T-D14.5-SH	181 009 400 2501

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R-T-D8-SH	181 009 400 2503
	6-10mm	MR23-009R-T-D10-SH	181 009 400 2505
	9-14.5mm	MR23-009R-T-D14.5-SH	181 009 400 2506



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Crimp contacts 20A

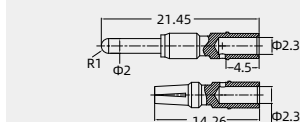
20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

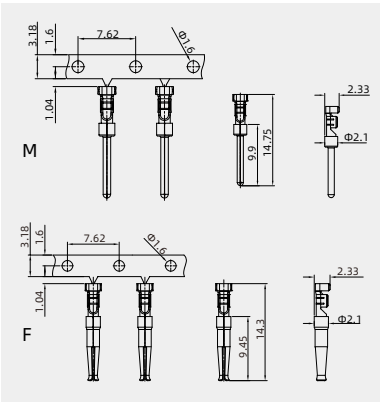
Stamped contacts 5A

Contact resistance ≤ 5mΩ

Remark: SPQ is 3000pcs

	Male	Order No.	Female	Order No.
silver plated	CSSM-0.82P	101 014 110 0750	CSSF-0.82P	101 014 120 0750
gold plated	CSGM-0.82P	101 014 210 0750	CSGF-0.82P	101 014 220 0750
coil stock				

Note: 10kpcs/volume



MR23 Circular connector

160V- 10A

Technical characteristics



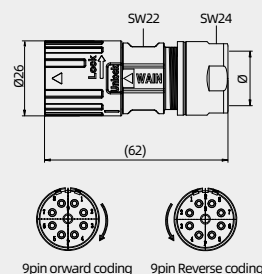
Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	9 (8+1)	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.03-1.0+0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23Q-009-T-D8-SH	181 009 400 2500
	6-10mm	MR23Q-009-T-D10-SH	181 009 400 2513
	9-14.5mm	MR23Q-009-T-D14.5-SH	181 000 499 2500

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23Q-009R-T-D8-SH	181 009 400 2514
	6-10mm	MR23Q-009R-T-D10-SH	181 009 400 2515
	9-14.5mm	MR23Q-009R-T-D14.5-SH	181 000 499 2509



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Crimp contacts 20A

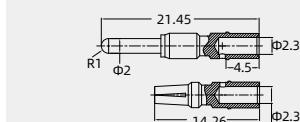
20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

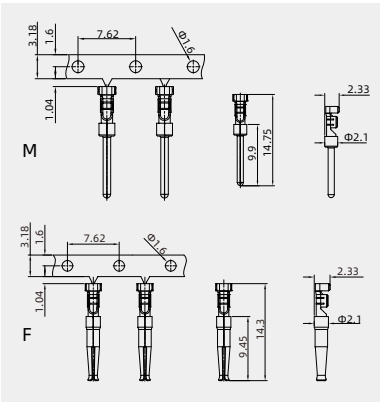
Stamped contacts 5A

Contact resistance ≤ 5mΩ

Remark: SPQ is 3000pcs

	Male	Order No.	Female	Order No.
silver plated	CSSM-0.82P	101 014 110 0750	CSSF-0.82P	101 014 120 0750
gold plated	CSGM-0.82P	101 014 210 0750	CSGF-0.82P	101 014 220 0750
coil stock				

Note: 10kpcs/volume



MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.14-1.0 + 0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

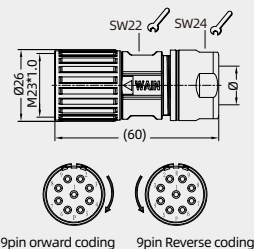
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009/B-T-D8-SH	181 009 400 2507
	6-10mm	MR23-009/B-T-D10-SH	181 009 400 2508
	9-14.5mm	MR23-009/B-T-D14.5-SH	181 009 400 2509

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R/B-T-D8-SH	181 009 400 2510
	6-10mm	MR23-009R/B-T-D10-SH	181 009 400 2511
	9-14.5mm	MR23-009R/B-T-D14.5-SH	181 009 400 2512



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

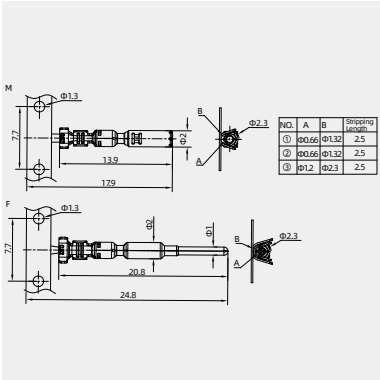
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



Stamped contacts

Stamped contacts



coil stock

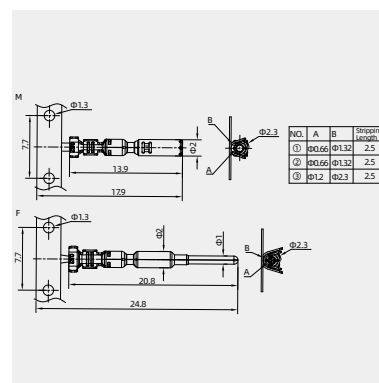


Note: 10kpcs/ volume

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



MR23 Circular connector

160V/125V- 7A

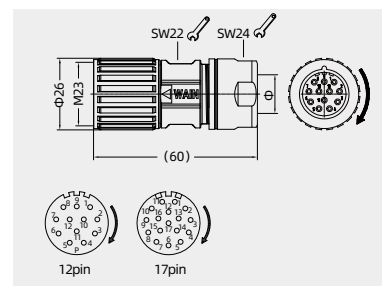
Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated voltage	160 V	125 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

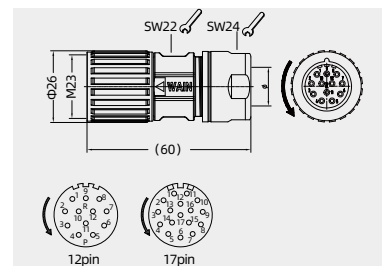
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23-012-T-D8-SH	181 012 421 3001
	6-10mm	MR23-012-T-D10-SH	181 012 421 3002
	9-14.5mm	MR23-012-T-D14.5-SH	181 012 421 3003
17	4.5-8mm	MR23-017-T-D8-SH	181 017 400 2001
	6-10mm	MR23-017-T-D10-SH	181 017 400 2002
	9-14.5mm	MR23-017-T-D14.5-SH	181 017 400 2003

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23-012R-T-D8-SH	181 012 421 3004
	6-10mm	MR23-012R-T-D10-SH	181 012 421 3005
	9-14.5mm	MR23-012R-T-D14.5-SH	181 012 421 3006
17	4.5-8mm	MR23-017R-T-D8-SH	181 017 400 2004
	6-10mm	MR23-017R-T-D10-SH	181 017 400 3005
	9-14.5mm	MR23-017R-T-D14.5-SH	181 017 400 2005



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

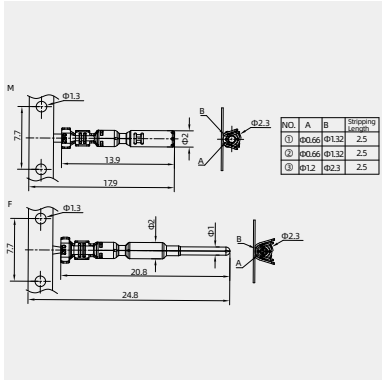
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

160V/125V- 7A

Technical characteristics



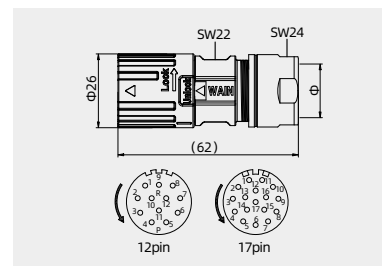
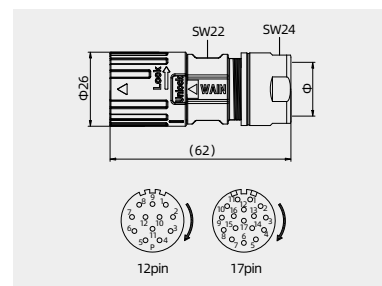
Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated voltage	160 V	125 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23Q-012-T-D8-SH	181 012 421 3007
	6-10mm	MR23Q-012-T-D10-SH	181 012 421 2009
	9-14.5mm	MR23Q-012-T-D14.5-SH	181 012 421 3008
17	4.5-8mm	MR23Q-017-T-D8-SH	181 017 400 2013
	6-10mm	MR23Q-017-T-D10-SH	181 017 400 2012
	9-14.5mm	MR23Q-017-T-D14.5-SH	181 017 421 3009

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
12	4.5-8mm	MR23Q-012R-T-D10-SH	181 012 421 2014
	6-10mm	MR23Q-012R-T-D8-SH	181 012 421 2015
	9-14.5mm	MR23Q-012R-T-D14.5-SH	181 012 421 2013
17	4.5-8mm	MR23Q-017R-T-D8-SH	181 017 400 2010
	6-10mm	MR23Q-017R-T-D10-SH	181 017 400 2009
	9-14.5mm	MR23Q-017R-T-D14.5-SH	181 017 421 3008



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts



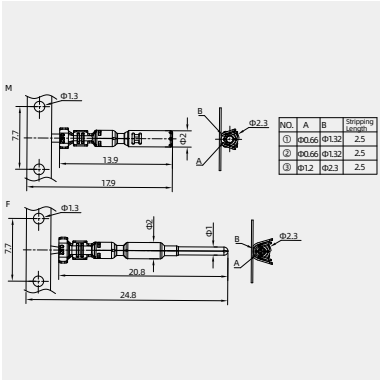
coil stock



Note: 10kpcs/ volume

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



MR23 Circular connector

63V- 7A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
power:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

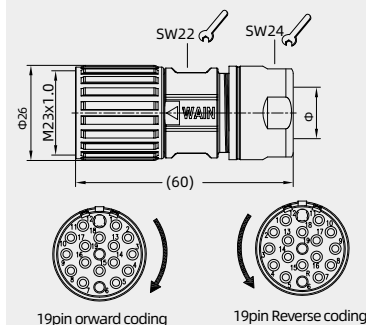
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019-T-D8-SH	181 019 400 2001
	6-10mm	MR23-019-T-D10-SH	181 019 400 2002
	9-14.5mm	MR23-019-T-D14.5-SH	181 019 400 2003

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019R-T-D8-SH	181 019 400 2004
	6-10mm	MR23-019R-T-D10-SH	181 019 400 2005
	9-14.5mm	MR23-019R-T-D14.5-SH	181 019 400 2006



Crimp contacts

Power/Signal Crimp contacts

Signal (x16)



Power (x3)



Signal (x16)



Power (x3)



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
③	0.14-1.0	MR23-MC7G-1.0	101 015 210 0801
④	0.5-1.5	MR23-MC7G-1.5	101 015 210 0901
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
③	0.14-1.0	MR23-FC7G-1.0	101 015 220 0801
④	0.5-1.5	MR23-FC7G-1.5	101 015 220 0901

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	21	4mm
②	2.1	1.45	21	4mm
③	2.1	1.45	20.65	6mm
④	2.1	1.75	20.65	6mm

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	2.1	1.45	13.9	6mm
④	2.1	1.75	13.9	6mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

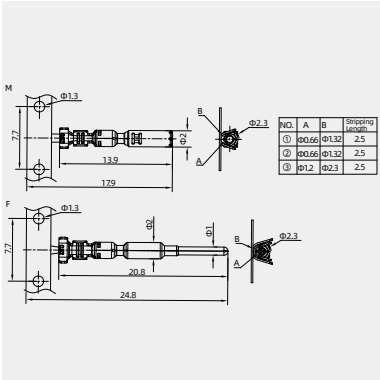
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

160V/125V- 7A

Technical characteristics



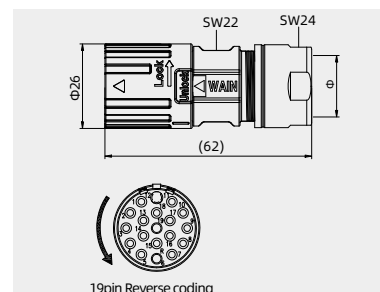
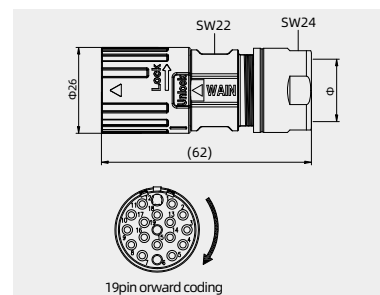
Specifications				
Specifications		DIN EN 60 664		
		DIN EN 61 984		
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
signal:	7A	7A	Housing surface	Nickel-plated
power:	(0.03-1.0 mm ² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated current	160 V	125 V	Insulating bodies	PBT
Rated voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Rated impulse voltage	3	3	Contact surface	gold plated
Pollution degree	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Flammability acc. to UL 94	III	III	Degree of protection	IP67
Overvoltage categorie			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23Q-019-T-D8-SH	163 019 400 2500
	6-10mm	MR23Q-019-T-D10-SH	181 000 499 2506
	9-14.5mm	MR23Q-019-T-D14.5-SH	181 019 400 2500

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23Q-019R-T-D8-SH	163 019 400 2501
	6-10mm	MR23Q-019R-T-D10-SH	181 019 400 2502
	9-14.5mm	MR23Q-019R-T-D14.5-SH	181 019 400 2501



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

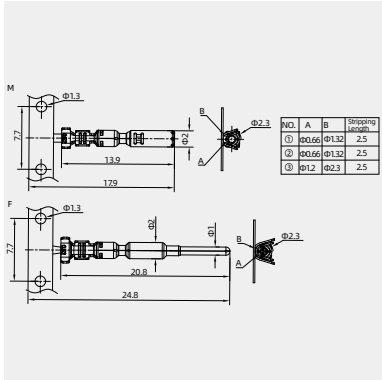
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

300V/160/125 20A/7A

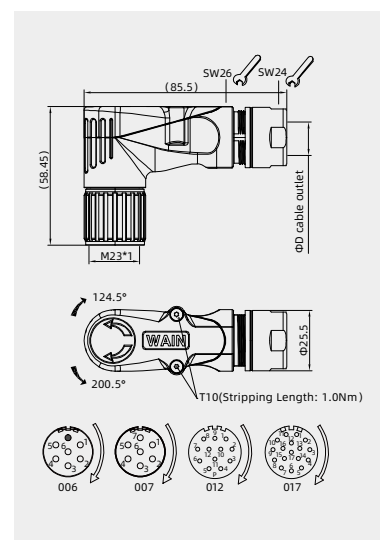
Technical characteristics

Number of contacts	6/7	12	17
Rated current	20A	7A	7A
mm ² /AWG	(0.35-2.5mm ² /AWG22-14)	(0.03-1.0mm ² /AWG32-18)	(0.03-1.0mm ² /AWG32-18)
Rated voltage	300V	160V	125V
Rated impulse voltage	2.5KV	2.5KV	2.0KV
Pollution degree	III	III	III
Flammability acc. to UL 94	V0(UL94)	V0(UL94)	V0(UL94)
Overvoltage categorie	III	III	III
Housing material	copper alloy,zinc alloy	copper alloy,zinc alloy	copper alloy,zinc alloy
Housing surface	Nickel-plated	Nickel-plated	Nickel-plated
Contact resistance	≤ 5 mΩ	≤ 5 mΩ	≤ 5 mΩ
Insulating bodies	PBT	PBT	PBT
Contact material	copper alloy	copper alloy	copper alloy
Contact surface	gold plated	gold plated	gold plated
Mechanical working life	> 500	> 500	> 500
Degree of protection	IP67	IP67	IP67
Limiting temperature	-40°C ...+130°C	-40°C ...+130°C	-40°C ...+130°C

Remark: SPQ is 1pc

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
06		MR23-006-SE-D8-SH	181 000 599 2521
		MR23-006-SE-D10-SH	181 000 599 2522
		MR23-006-SE-D14.5-SH	181 000 599 2523
07		MR23-007-SE-D8-SH	181 000 599 2524
		MR23-007-SE-D10-SH	181 000 599 2525
		MR23-007-SE-D14.5-SH	181 000 599 2526
12		MR23-012-SE-D8-SH	181 000 599 1500
		MR23-012-SE-D10-SH	181 000 510 2500
		MR23-012-SE-D14.5-SH	181 000 599 1501
17		MR23-017-SE-D8-SH	181 000 599 2500
		MR23-017-SE-D10-SH	181 000 599 2502
		MR23-017-SE-D14.5-SH	181 000 599 2503



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

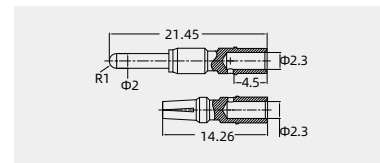
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

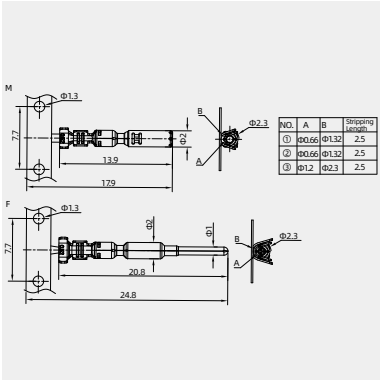
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

300V/160/125 20A/7A



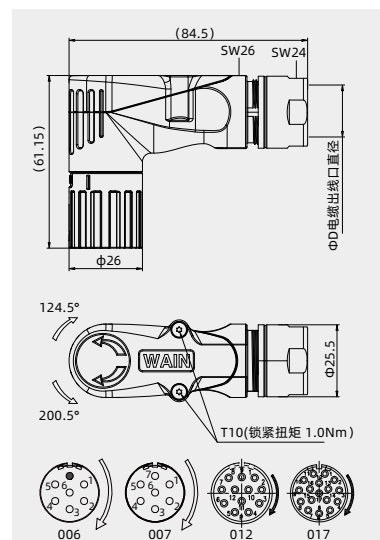
Technical characteristics

Number of contacts	6/7	12	17
Rated current	20A	7A	7A
mm ² /AWG	(0.35-2.5mm ² /AWG22-14)	(0.03-1.0mm ² /AWG32-18)	(0.03-1.0mm ² /AWG32-18)
Rated voltage	300V	160V	125V
Rated impulse voltage	2.5KV	2.5KV	2.0KV
Pollution degree	III	III	III
Flammability acc. to UL 94	V0(UL94)	V0(UL94)	V0(UL94)
Overvoltage categorie	III	III	III
Housing material	copper alloy,zinc alloy	copper alloy,zinc alloy	copper alloy,zinc alloy
Housing surface	Nickel-plated	Nickel-plated	Nickel-plated
Contact resistance	≤ 5 mΩ	≤ 5 mΩ	≤ 5 mΩ
Insulating bodies	PBT	PBT	PBT
Contact material	copper alloy	copper alloy	copper alloy
Contact surface	gold plated	gold plated	gold plated
Mechanical working life	> 500	> 500	> 500
Degree of protection	IP67	IP67	IP67
Limiting temperature	-40°C ...+130°C	-40°C ...+130°C	-40°C ...+130°C

Remark: SPQ is 1pc

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
06		MR23Q-006-SE-D8-SH	181 006 500 2500
		MR23Q-006-SE-D10-SH	181 006 500 2501
		MR23Q-006-SE-D14.5-SH	181 006 500 2502
07		MR23Q-007-SE-D8-SH	181 007 500 2500
		MR23Q-007-SE-D10-SH	181 007 500 2501
		MR23Q-007-SE-D14.5-SH	181 007 500 2502
12		MR23Q-012-SE-D8-SH	181 012 500 2501
		MR23Q-012-SE-D10-SH	181 012 500 2502
		MR23Q-012-SE-D14.5-SH	181 012 500 2503
17		MR23Q-017-SE-D8-SH	181 017 500 2500
		MR23Q-017-SE-D10-SH	181 017 500 2501
		MR23Q-017-SE-D14.5-SH	181 017 500 2502



Crimp contacts

Crimp contacts 9A

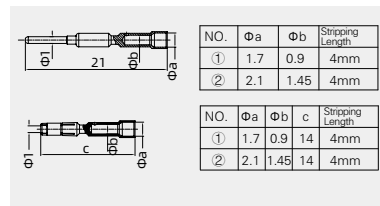
9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801



Crimp contacts 20A

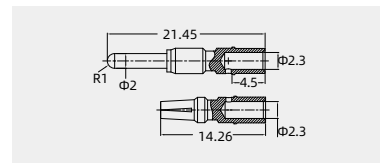
20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

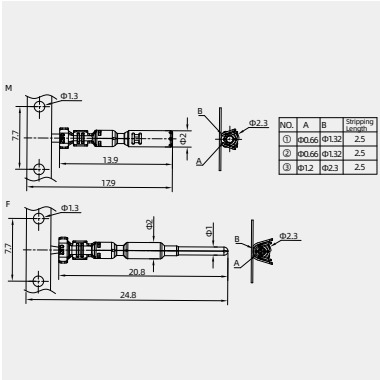
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

300V/160/125 20A/7A

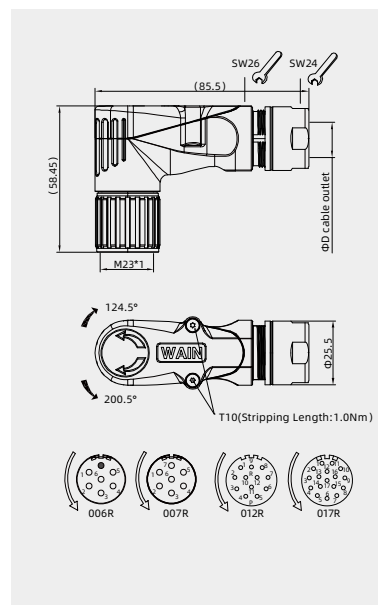
Technical characteristics

Number of contacts	6/7	12	17
Rated current	20A	7A	7A
mm ² /AWG	(0.35-2.5mm ² /AWG22-14)	(0.03-1.0mm ² /AWG32-18)	(0.03-1.0mm ² /AWG32-18)
Rated voltage	300V	160V	125V
Rated impulse voltage	2.5KV	2.5KV	2.0KV
Pollution degree	III	III	III
Flammability acc. to UL 94	V0(UL94)	V0(UL94)	V0(UL94)
Overvoltage categorie	III	III	III
Housing material	copper alloy,zinc alloy	copper alloy,zinc alloy	copper alloy,zinc alloy
Housing surface	Nickel-plated	Nickel-plated	Nickel-plated
Contact resistance	≤ 5 mΩ	≤ 5 mΩ	≤ 5 mΩ
Insulating bodies	PBT	PBT	PBT
Contact material	copper alloy	copper alloy	copper alloy
Contact surface	gold plated	gold plated	gold plated
Mechanical working life	> 500	> 500	> 500
Degree of protection	IP67	IP67	IP67
Limiting temperature	-40°C ...+130°C	-40°C ...+130°C	-40°C ...+130°C

Remark: SPQ is 1pc

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
06		MR23-006R-SE-D8-SH	181 000 599 2527
		MR23-006R-SE-D10-SH	181 000 599 2528
		MR23-006R-SE-D14.5-SH	181 000 599 2529
07		MR23-007R-SE-D8-SH	181 000 599 2530
		MR23-007R-SE-D10-SH	181 000 599 2531
		MR23-007R-SE-D14.5-SH	181 000 599 2532
12		MR23-012R-SE-D8-SH	181 000 599 2504
		MR23-012R-SE-D10-SH	181 000 599 0500
		MR23-012R-SE-D14.5-SH	181 000 599 2505
17		MR23-017R-SE-D8-SH	181 000 599 2506
		MR23-017R-SE-D10-SH	181 000 599 2507
		MR23-017R-SE-D14.5-SH	181 000 599 2508



Crimp contacts

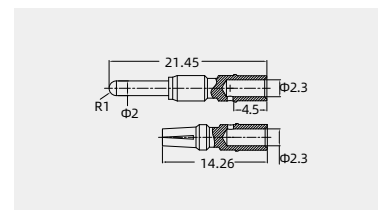
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

300V/160/125 20A/7A



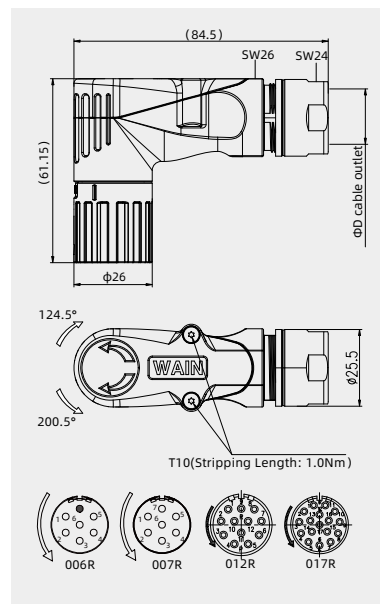
Technical characteristics

Number of contacts	6/7	12	17
Rated current	20A	7A	7A
mm ² /AWG	(0.35-2.5mm ² /AWG22-14)	(0.03-1.0mm ² /AWG32-18)	(0.03-1.0mm ² /AWG32-18)
Rated voltage	300V	160V	125V
Rated impulse voltage	2.5KV	2.5KV	2.0KV
Pollution degree	III	III	III
Flammability acc. to UL 94	V0(UL94)	V0(UL94)	V0(UL94)
Overvoltage categorie	III	III	III
Housing material	copper alloy,zinc alloy	copper alloy,zinc alloy	copper alloy,zinc alloy
Housing surface	Nickel-plated	Nickel-plated	Nickel-plated
Contact resistance	≤ 5 mΩ	≤ 5 mΩ	≤ 5 mΩ
Insulating bodies	PBT	PBT	PBT
Contact material	copper alloy	copper alloy	copper alloy
Contact surface	gold plated	gold plated	gold plated
Mechanical working life	> 500	> 500	> 500
Degree of protection	IP67	IP67	IP67
Limiting temperature	-40°C ...+130°C	-40°C ...+130°C	-40°C ...+130°C

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
06		MR23Q-006R-SE-D8-SH	181 006 500 2503
		MR23Q-006R-SE-D10-SH	181 006 500 2504
		MR23Q-006R-SE-D14.5-SH	181 006 500 2505
07		MR23Q-007R-SE-D8-SH	181 007 500 2503
		MR23Q-007R-SE-D10-SH	181 007 500 2504
		MR23Q-007R-SE-D14.5-SH	181 007 500 2505
12		MR23Q-012R-SE-D8-SH	181 012 500 2504
		MR23Q-012R-SE-D10-SH	181 012 500 2505
		MR23Q-012R-SE-D14.5-SH	181 012 500 2506
17		MR23Q-017R-SE-D8-SH	181 017 500 2503
		MR23Q-017R-SE-D10-SH	181 017 500 2504
		MR23Q-017R-SE-D14.5-SH	181 017 500 2505



Crimp contacts

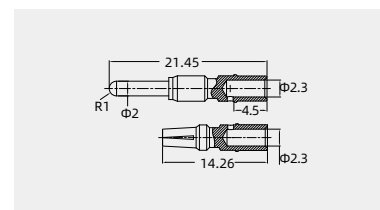
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9(8+1)	Housing material	copper alloy,zinc alloy
Signal:	0.14-1.0 mm ² / AWG 26-18	Housing surface	Nickel-plated
Electricity:	0.35-2.5 mm ² / AWG 22-14	Insulating bodies	PBT
Rated current(25°C)	10A	Sealing material	FPM
Rated voltage	160 V	Limiting temperature	-40°C ...+130°C
Rated impulse voltage	2.5 kV	Cable diameter	4.5-14.5mm shield
Pollution degree	3	Mechanical working life	>500
Pins must be ordered separately		Degree of protection	IP67

Remark: SPQ is 1pc

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009-SE-D8-SH	181 009 500 1500
	6-10mm	MR23-009-SE-D10-SH	181 009 500 2500
	9-14.5mm	MR23-009-SE-D14.5-SH	181 009 500 1501

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R-SE-D8-SH	181 009 500 2504
	6-10mm	MR23-009R-SE-D10-SH	181 009 500 2501
	9-14.5mm	MR23-009R-SE-D14.5-SH	181 009 500 2505

Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001

Tools

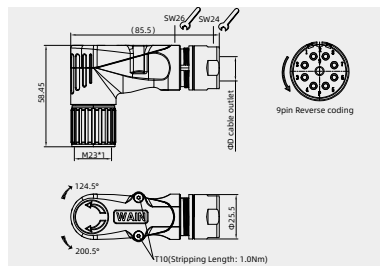
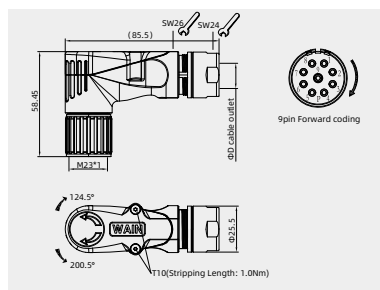
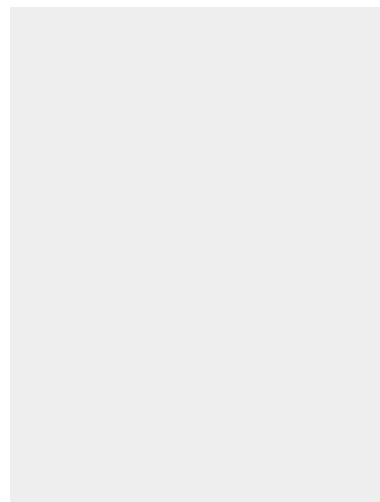
Crimping tool



Remark: SPQ is 1pc

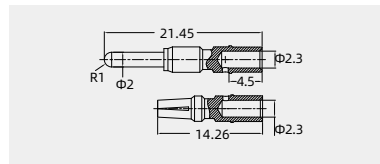
Wire gauge	Designation	Order No.
0.14-6mm ²	TL02-2G	198 001 001 0014

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.



NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm



Stamped contacts

Stamped contacts



coil stock

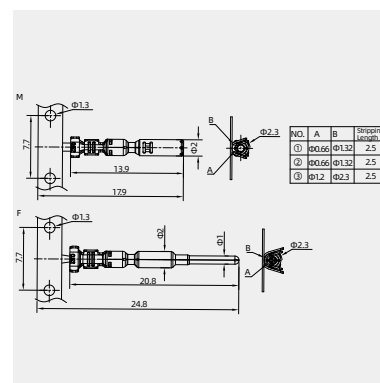


Note: 10kpcs/ volume

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



MR23 Circular connector

160V- 10A

Technical characteristics



Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9(8+1)	Housing material	copper alloy,zinc alloy
Signal:	0.14-1.0 mm ² / AWG 26-18	Housing surface	Nickel-plated
Electricity:	0.35-2.5 mm ² / AWG 22-14	Insulating bodies	PBT
Rated current(25°C)	10A	Sealing material	FPM
Rated voltage	160 V	Limiting temperature	-40°C ...+130°C
Rated impulse voltage	2.5 kV	Cable diameter	4.5-14.5mm shield
Pollution degree	3	Mechanical working life	>500
Pins must be ordered separately		Degree of protection	IP67

Forward coding, Crimp terminal
order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23Q-009-SE-D8-SH	181 009 500 2521
	6-10mm	MR23Q-009-SE-D10-SH	181 009 500 2522
	9-14.5mm	MR23Q-009-SE-D14.5-SH	181 009 500 2523

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23Q-009R-SE-D8-SH	181 009 500 2524
	6-10mm	MR23Q-009R-SE-D10-SH	181 009 500 2525
	9-14.5mm	MR23Q-009R-SE-D14.5-SH	181 009 500 2526

Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001

Tools

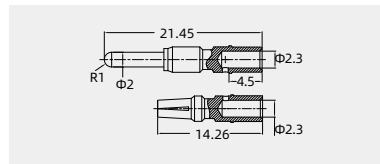
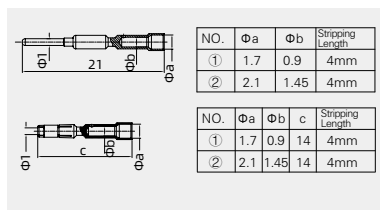
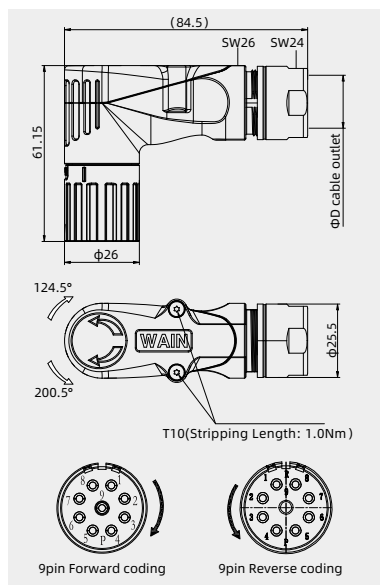
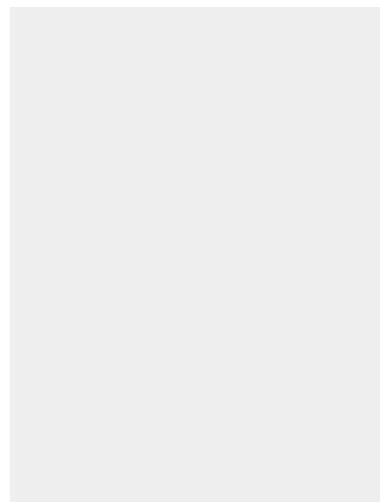
Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-6mm ²	TL02-2G	198 001 001 0014

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.



MR23

Accessories

Stamped contacts

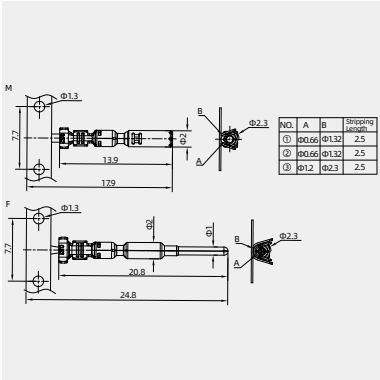
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



Note: 10kpcs/ volume



MR23 Circular connector

300V- 20A

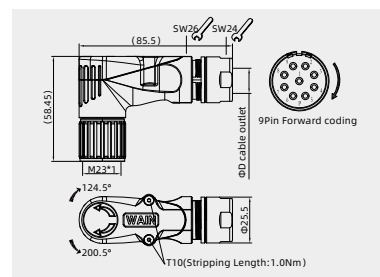
Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

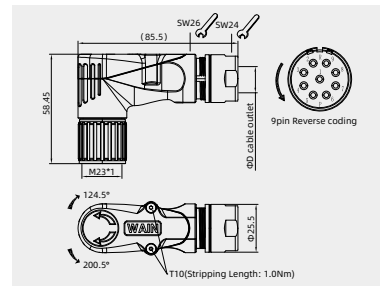
Remark: SPQ is 1pc

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
09	4.5-8mm	MR23-009/B-SE-D8-SH	181 009 500 2509
	6-10mm	MR23-009/B-SE-D10-SH	181 009 500 2510
	9-14.5mm	MR23-009/B-SE-D14.5-SH	181 009 500 2511

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
09	4.5-8mm	MR23-009R/B-SE-D8-SH	181 009 500 2515
	6-10mm	MR23-009R/B-SE-D10-SH	181 009 500 2516
	9-14.5mm	MR23-009R/B-SE-D14.5-SH	181 009 500 2517



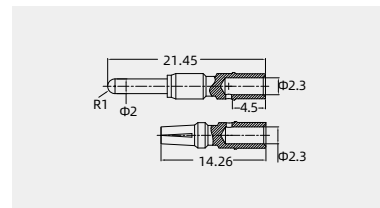
Crimp contacts

Crimp contacts 20A

20A



NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
Remark: SPQ is 100pcs			
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039
Remark: SPQ is 1pc		

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

300V- 20A

Technical characteristics



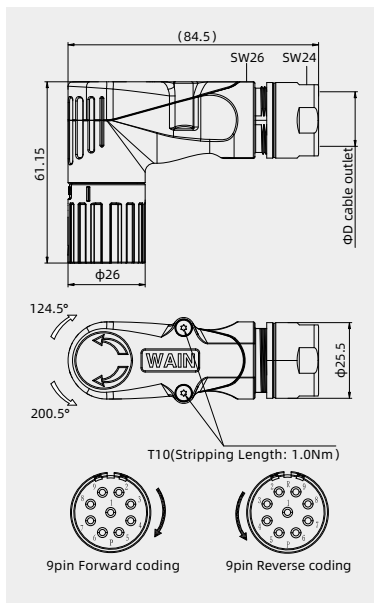
Specifications				
Specifications		DIN EN 60 664		
		DIN EN 61 984		
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
09	4.5-8mm	MR23Q-009/B-SE-D8-SH	181 009 500 2527
	6-10mm	MR23Q-009/B-SE-D10-SH	181 009 500 2528
	9-14.5mm	MR23Q-009/B-SE-D14.5-SH	181 009 500 2529

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
09	4.5-8mm	MR23Q-009R/B-SE-D8-SH	181 009 500 2530
	6-10mm	MR23Q-009R/B-SE-D10-SH	181 009 500 2531
	9-14.5mm	MR23Q-009R/B-SE-D14.5-SH	181 009 500 2532



Crimp contacts

Crimp contacts 20A

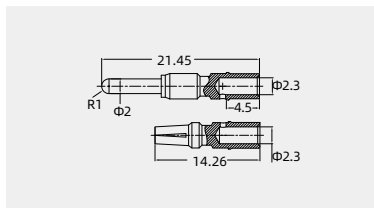
20A



NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001

Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Remark: SPQ is 1pc

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

63V- 7A

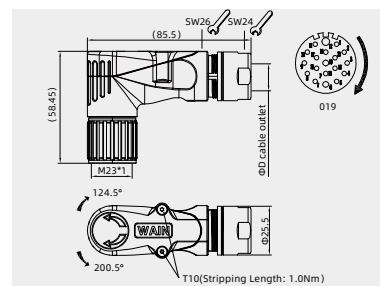
Technical characteristics

Specifications			
Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
Signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
Electricity:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current(25°C)	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

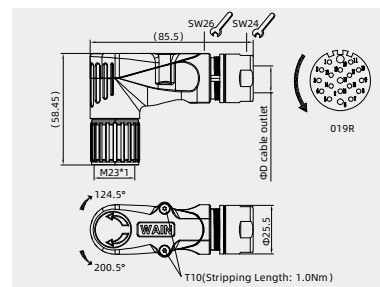
Remark: SPQ is 1pc

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019-SE-D8-SH	181 019 500 2500
	6-10mm	MR23-019-SE-D10-SH	181 019 500 2501
	9-14.5mm	MR23-019-SE-D14.5-SH	181 019 500 2502

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23-019R-SE-D8-SH	181 019 500 2503
	6-10mm	MR23-019R-SE-D10-SH	181 019 500 2504
	9-14.5mm	MR23-019R-SE-D14.5-SH	181 019 500 2505



Crimp contacts

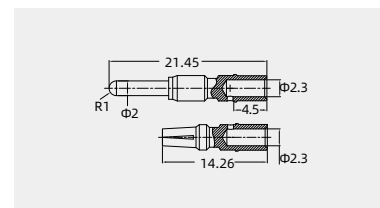
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

300V- 20A

Technical characteristics



Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

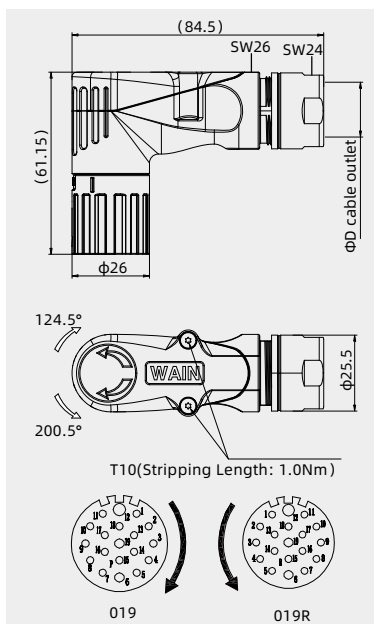


Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23Q-019-SE-D8-SH	181 019 500 2506
	6-10mm	MR23Q-019-SE-D10-SH	181 019 500 2512
	9-14.5mm	MR23Q-019-SE-D14.5-SH	181 019 500 2513

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
19	4.5-8mm	MR23Q-019R-SE-D8-SH	181 019 500 2509
	6-10mm	MR23Q-019R-SE-D10-SH	181 019 500 2514
	9-14.5mm	MR23Q-019R-SE-D14.5-SH	181 019 500 2515



Crimp contacts

Crimp contacts 20A

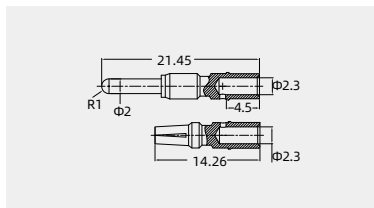
20A



NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001

Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Remark: SPQ is 1pc

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

300V- 20A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately



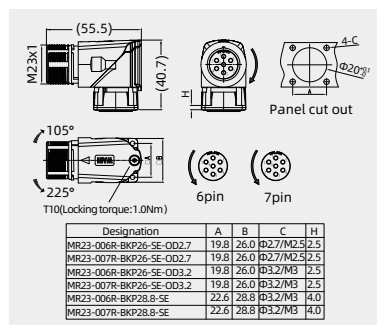
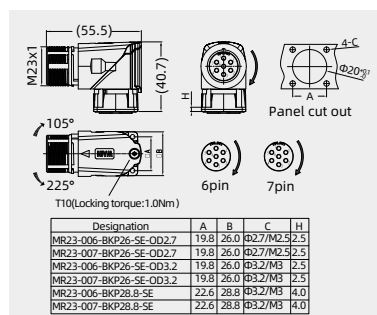
Remark: SPQ is 5pcs

Contacts	Designation	Order No.
06	MR23-006-BKP26-SE-OD2.7	181 006 600 3001
07	MR23-007-BKP26-SE-OD2.7	181 007 600 3001
06	MR23-006-BKP26-SE-OD3.2	181 006 600 3002
07	MR23-007-BKP26-SE-OD3.2	181 007 600 3002
06	MR23-006-BKP28.8-SE	181 006 600 3003
07	MR23-007-BKP28.8-SE	181 007 600 3003

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Designation	Order No.
06	MR23-006R-BKP26-SE-OD2.7	181 006 600 3004
07	MR23-007R-BKP26-SE-OD2.7	181 007 600 3004
06	MR23-006R-BKP26-SE-OD3.2	181 006 600 3005
07	MR23-007R-BKP26-SE-OD3.2	181 007 600 3005
06	MR23-006R-BKP28.8-SE	181 006 600 3006
07	MR23-007R-BKP28.8-SE	181 007 600 3006



Crimp contacts

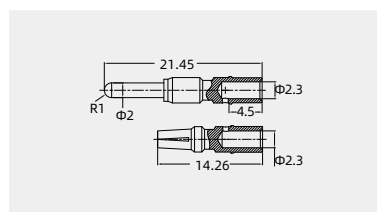
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	(8+1)	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm ² / AWG	0.03-1.0/0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

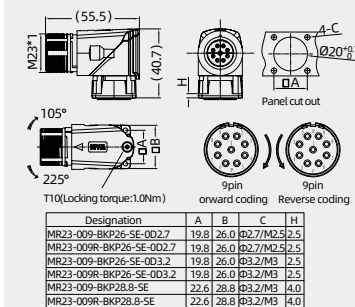
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009-BKP26-SE-OD2.7	181 009 600 2500
	6-10mm	MR23-009-BKP26-SE-OD3.2	181 009 600 2502
	9-14.5mm	MR23-009-BKP28.8-SE	181 009 600 2504

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R-BKP26-SE-OD2.7	181 009 600 2501
	6-10mm	MR23-009R-BKP26-SE-OD3.2	181 009 600 2503
	9-14.5mm	MR23-009R-BKP28.8-SE	181 009 600 2505



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001

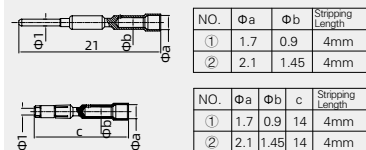
Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039



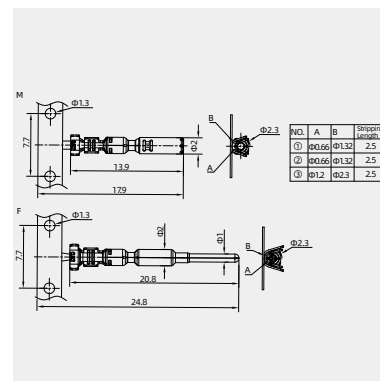
Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume

MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm ² / AWG	0.03-1.0	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

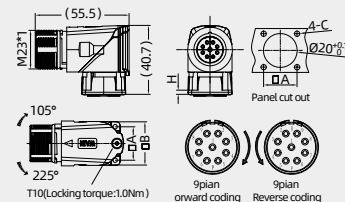
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009/B-BKP26-SE-OD2.7	181 009 600 2506
	6-10mm	MR23-009/B-BKP26-SE-OD3.2	181 009 600 2508
	9-14.5mm	MR23-009/B-BKP28.8-SE	181 009 600 2510

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Cable outlet	Designation	Order No.
9	4.5-8mm	MR23-009R/B-BKP26-SE-OD2.7	181 009 600 2507
	6-10mm	MR23-009R/B-BKP26-SE-OD3.2	181 009 600 2509
	9-14.5mm	MR23-009R/B-BKP28.8-SE	181 009 600 2511



Designation	A	B	C	H
MR23-009/B-BKP26-SE-OD2.7	19.8	26.0	Φ2.7/M2.5	2.5
MR23-009R/B-BKP26-SE-OD2.7	19.8	26.0	Φ2.7/M2.5	2.5
MR23-009/B-BKP26-SE-OD3.2	19.8	26.0	Φ3.2/M3	2.5
MR23-009R/B-BKP26-SE-OD3.2	19.8	26.0	Φ3.2/M3	2.5
MR23-009/B-BKP28.8-SE	22.6	28.8	Φ3.2/M3	4.0
MR23-009R/B-BKP28.8-SE	22.6	28.8	Φ3.2/M3	4.0

Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

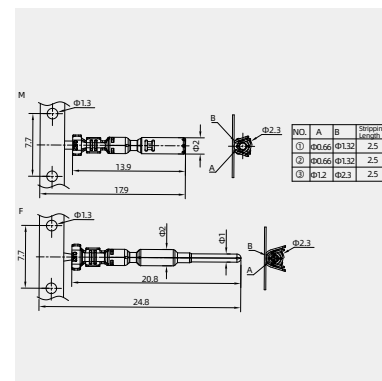
Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume

MR23 Circular connector

160V/125V- 7A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated voltage	160 V	125 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately



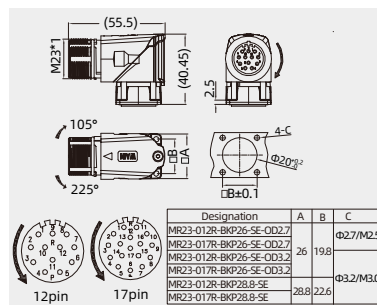
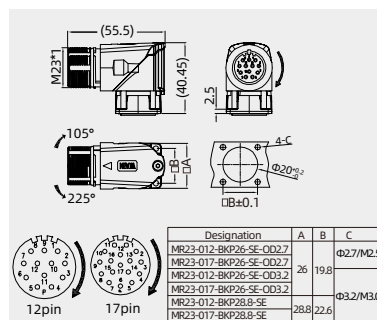
Remark: SPQ is 5pcs

Contacts	Designation	Order No.
12	MR23-012-BKP26-SE	181 012 600 3001
17	MR23-017-BKP26-SE	181 017 600 2003
12	MR23-012-BKP26-SE-OD3.2	181 000 099 2501
17	MR23-017-BKP26-SE-OD3.2	181 017 600 3004
12	MR23-012-BKP28.8-SE	181 012 600 2001
17	MR23-017-BKP28.8-SE	181 017 600 2001

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Designation	Order No.
12	MR23-012R-BKP26-SE	181 012 600 3002
17	MR23-017R-BKP26-SE	181 017 600 2004
12	MR23-012R-BKP26-SE-OD3.2	181 012 600 3004
17	MR23-017R-BKP26-SE-OD3.2	181 000 099 2500
12	MR23-012R-BKP28.8-SE	181 012 600 2002
17	MR23-017R-BKP28.8-SE	181 017 600 2002



Crimp contacts

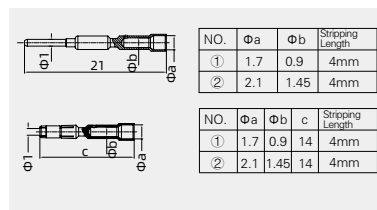
Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

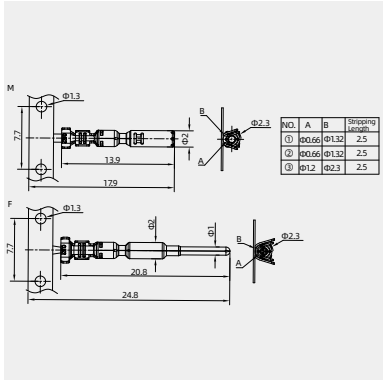
Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock



Note: 10kpcs/ volume



MR23 Circular connector

63V- 7A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
power:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately



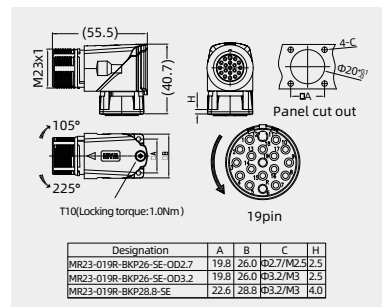
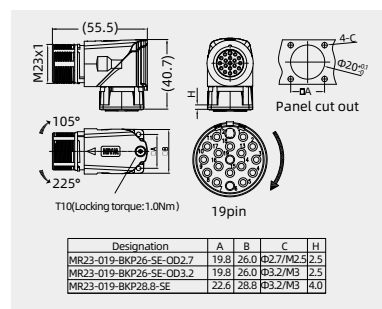
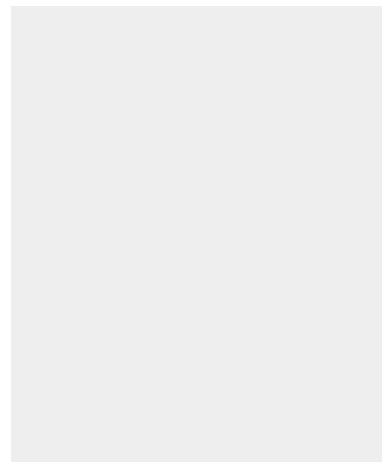
Remark: SPQ is 5pcs

Contacts	Designation	Order No.
19	MR23-019-BKP26-SE-OD2.7	181 019 300 1001
	MR23-019-BKP26-SE-OD3.2	181 019 300 1002
	MR23-019-BKP28.8-SE	181 019 300 1003

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Designation	Order No.
19	MR23-019R-BKP26-SE-OD2.7	181 019 300 1004
	MR23-019R-BKP26-SE-OD3.2	181 019 300 1005
	MR23-019R-BKP28.8-SE	181 019 300 1006



Crimp contacts

Power/Signal Crimp contacts

Signal (x16)



Power (x3)



Signal (x16)

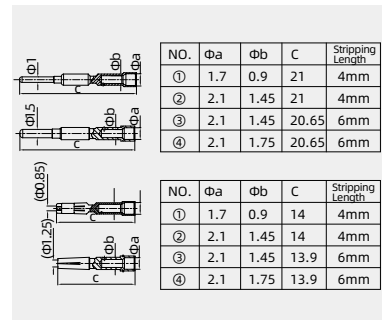


Power (x3)



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
③	0.14-1.0	MR23-MC7G-1.0	101 015 210 0801
④	0.5-1.5	MR23-MC7G-1.5	101 015 210 0901
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
③	0.14-1.0	MR23-FC7G-1.0	101 015 220 0801
④	0.5-1.5	MR23-FC7G-1.5	101 015 220 0901



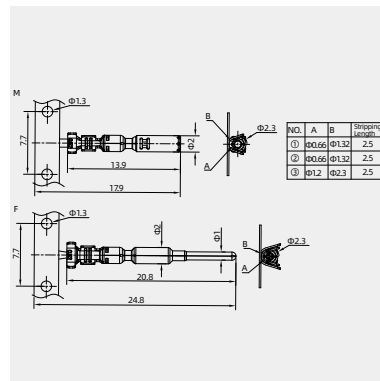
Stamped contacts

Remark: SPQ is 3000pcs



Note: 10kpcs/ volume

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



MR23 Circular connector

300V- 20A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

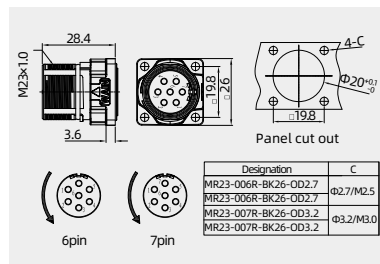
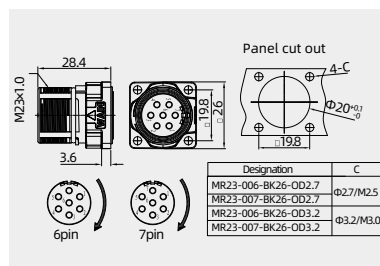
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
6	MR23-006-BK26-OD2.7	181 006 300 3001
7	MR23-007-BK26-OD2.7	181 007 300 3001
6	MR23-006-BK26-OD3.2	181 006 300 3002
7	MR23-007-BK26-OD3.2	181 007 300 3002
6	MR23-006-BK28-OD3.2	166 000 399 2500
7	MR23-007-BK28-OD3.2	166 000 399 2501

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
6	MR23-006R-BK26-OD2.7	181 006 300 3003
7	MR23-007R-BK26-OD2.7	181 007 300 3003
6	MR23-006R-BK26-OD3.2	181 006 300 3004
7	MR23-007R-BK26-OD3.2	181 007 300 3004
6	MR23-006R-BK28-OD3.2	166 000 399 2502
7	MR23-007R-BK28-OD3.2	166 000 399 2503



Crimp contacts

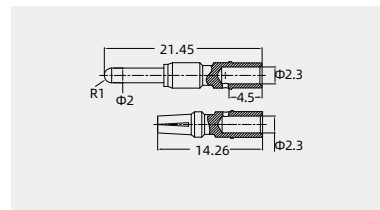
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Stamped contacts

Stamped contacts



coil stock

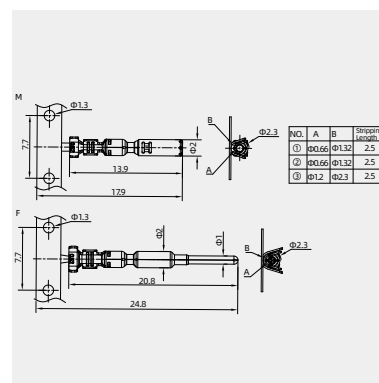


Note: 10kpcs/ volume

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.03-1.0	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

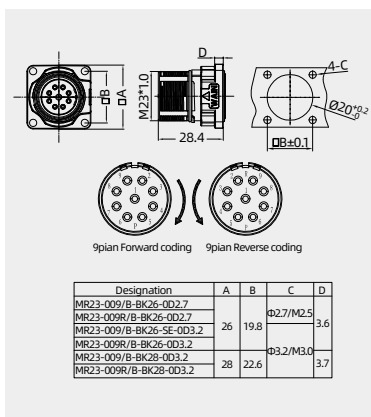
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
9	MR23-009/B-BK26-OD2.7	181 009 300 1502
	MR23-009/B-BK26-OD3.2	181 009 300 1503
	MR23-009/B-BK28-OD3.2	181 009 300 1509

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
9	MR23-009R/B-BK26-OD2.7	181 009 300 1506
	MR23-009R/B-BK26-OD3.2	181 009 300 1507
	MR23-009R/B-BK28-OD3.2	181 009 300 1511



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

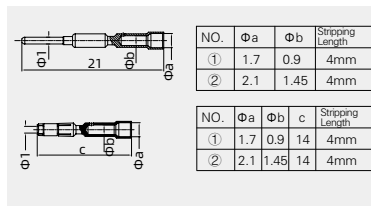
Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039



Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

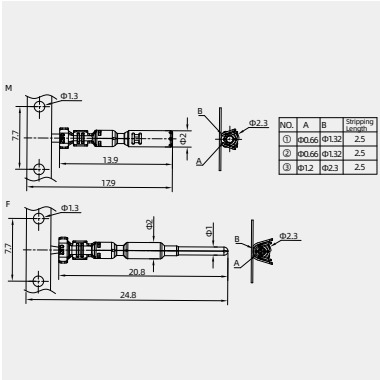
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

160V/125V- 7A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated voltage	160 V	125 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

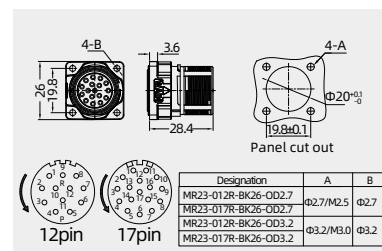
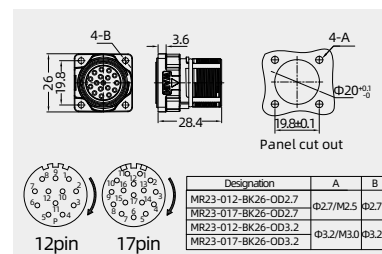
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
12	MR23-012-BK26-OD2.7	181 012 300 2001
17	MR23-017-BK26-OD2.7	181 017 300 2001
12	MR23-012-BK26-OD3.2	181 012 300 3001
17	MR23-017-BK26-OD3.2	181 017 300 3001
12	MR23-012-BK28-OD3.2	181 012 300 2003
17	MR23-017-BK28-OD3.2	181 017 300 2004

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
12	MR23-012R-BK26-OD2.7	181 012 300 2002
17	MR23-017R-BK26-OD2.7	181 017 300 2002
12	MR23-012R-BK26-OD3.2	181 012 300 3002
17	MR23-017R-BK26-OD3.2	181 017 300 2003
12	MR23-012R-BK28-OD3.2	181 012 300 2004
17	MR23-017R-BK28-OD3.2	181 017 300 2005



Crimp contacts

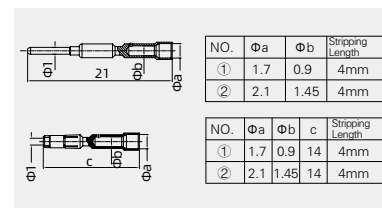
Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

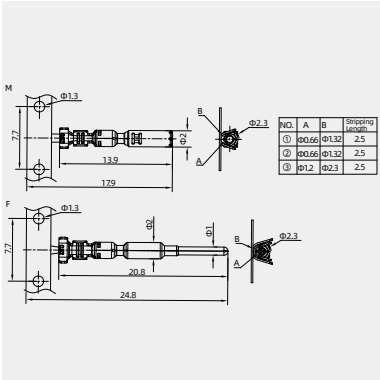
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

63V- 7A

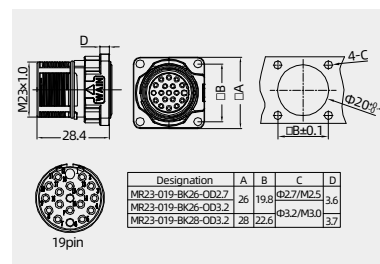
Technical characteristics

Specifications			
Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
power:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

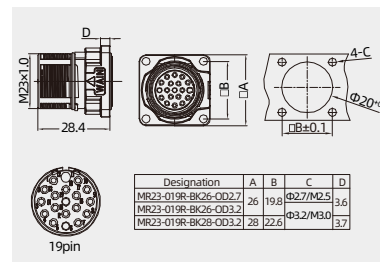
Remark: SPQ is 10pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
19	MR23-019-BK26-OD2.7	181 019 300 1007
	MR23-019-BK26-OD3.2	181 019 300 1008
	MR23-019-BK28-OD3.2	166 000 399 2504

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
19	MR23-019R-BK26-OD2.7	181 019 300 1009
	MR23-019R-BK26-OD3.2	181 019 300 1010
	MR23-019R-BK28-OD3.2	166 000 399 2505



Crimp contacts

Remark: SPQ is 100pcs

Power/Signal Crimp contacts

Signal (x16)



Power (x3)



Signal (x16)



Power (x3)



NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
③	0.14-1.0	MR23-MC7G-1.0	101 015 210 0801
④	0.5-1.5	MR23-MC7G-1.5	101 015 210 0901
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
③	0.14-1.0	MR23-FC7G-1.0	101 015 220 0801
④	0.5-1.5	MR23-FC7G-1.5	101 015 220 0901

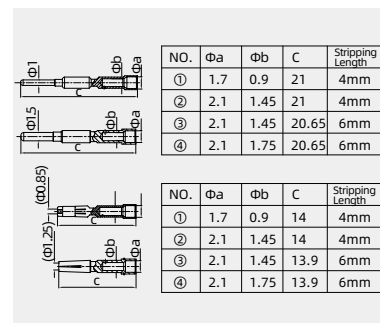
Remark: SPQ is 1pc

Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039



Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

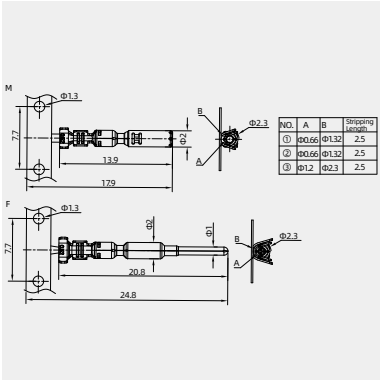
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

300V- 20A

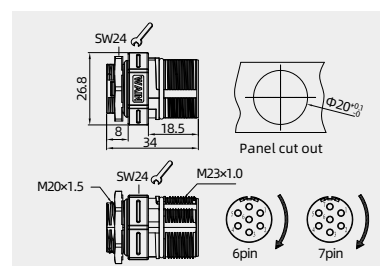
Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

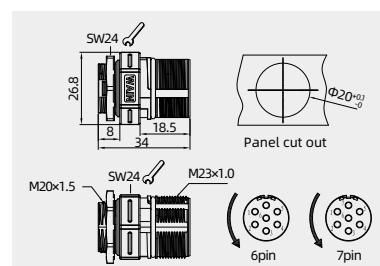
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
6	MR23-006-BK-M20	181 006 300 3005
7	MR23-007-BK-M20	181 007 300 3005

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
6	MR23-006R-BK-M20	181 006 300 3006
7	MR23-007R-BK-M20	181 007 300 3006



Crimp contacts

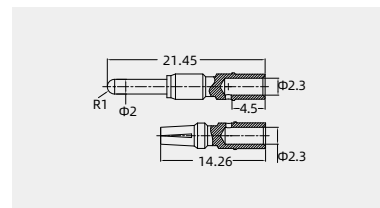
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9 (8+1)	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.03-1.0+0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

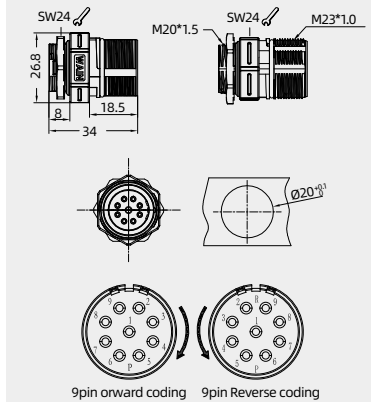
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
9	MR23-009-BK-M20	181 009 300 1512

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
9	MR23-009R-BK-M20	181 009 300 1514



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

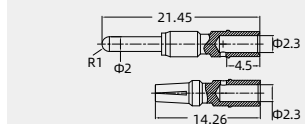
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

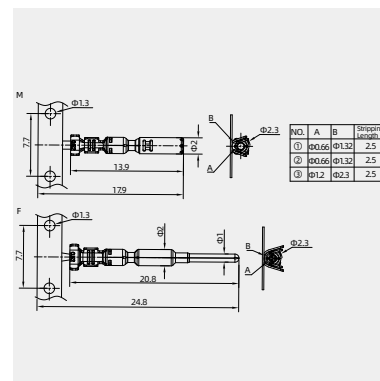
Accessories

Stamped contacts

Remark: SPQ is 3000pcs

Stamped contacts

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume

MR23 Circular connector

160V- 10A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.03-1.0	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

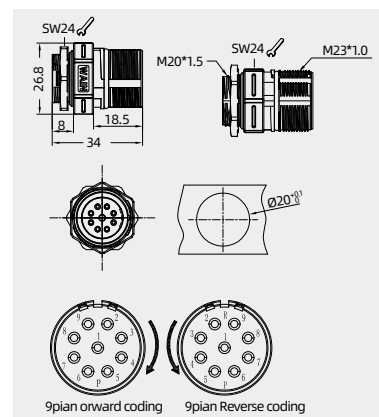
Remark: SPQ is 5pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
9	MR23-009/B-BK-M20	181 009 300 1513

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
9	MR23-009R/B-BK-M20	181 009 300 1515



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

160V/125V- 7A

Technical characteristics

Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated voltage	160 V	125 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

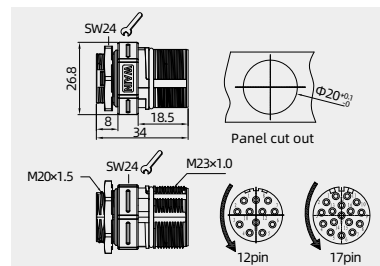
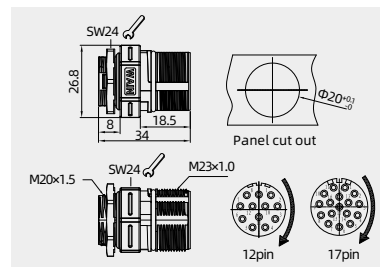
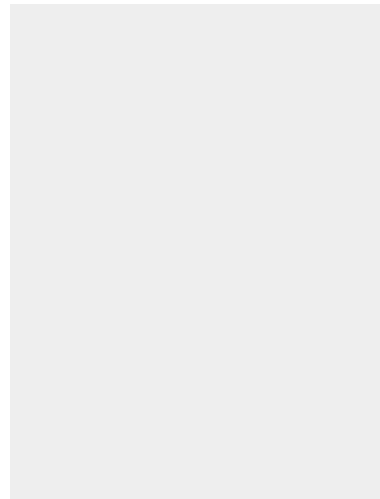
Remark: SPQ is 10pcs

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
12	MR23-012-BK-M20	181 012 300 3003
17	MR23-017-BK-M20	181 017 300 3002

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
12	MR23-012R-BK-M20	181 012 300 3004
17	MR23-017R-BK-M20	181 017 300 3003



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

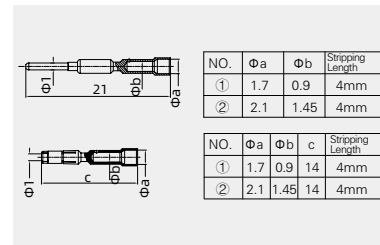
Remark: SPQ is 1pc

Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039



Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Remark: SPQ is 3000pcs

Stamped contacts

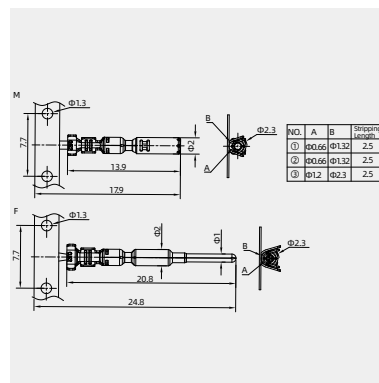


coil stock



Note: 10kpcs/ volume

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



MR23 Circular connector

63V- 7A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
power:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

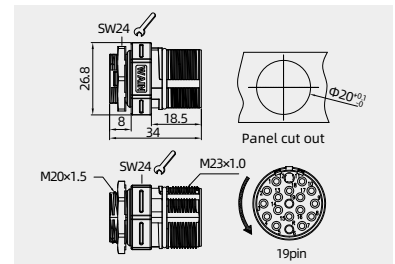
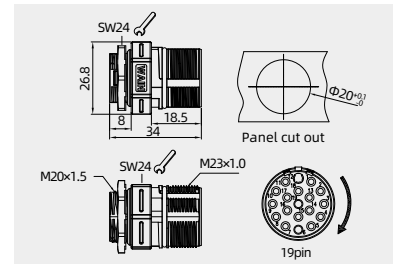
Remark: SPQ is 1pc

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
19	MR23-019-BK-M20	181 019 300 1011

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
19	MR23-019R-BK-M20	181 019 300 1012



Crimp contacts

Remark: SPQ is 100pcs

Power/Signal Crimp contacts

Signal (x16)



Power (x3)



Signal (x16)



Power (x3)



NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
③	0.14-1.0	MR23-MC7G-1.0	101 015 210 0801
④	0.5-1.5	MR23-MC7G-1.5	101 015 210 0901
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
③	0.14-1.0	MR23-FC7G-1.0	101 015 220 0801
④	0.5-1.5	MR23-FC7G-1.5	101 015 220 0901

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	21	4mm
②	2.1	1.45	21	4mm
③	2.1	1.45	20.65	6mm
④	2.1	1.75	20.65	6mm

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	2.1	1.45	13.9	6mm
④	2.1	1.75	13.9	6mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

300V- 20A

Technical characteristics



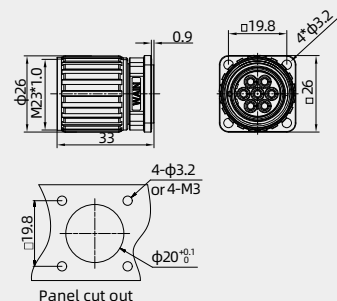
Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
6	MR23N-006-BK26-OD3.2	181 006 399 2500
7	MR23N-007-BK26-OD3.2	181 007 399 1500

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
6	MR23N-006R-BK26-OD3.2	181 006 399 1500
7	MR23N-007R-BK26-OD3.2	181 007 199 1500



Crimp contacts

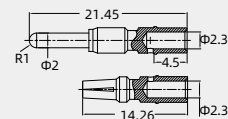
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

160V- 10A

Technical characteristics



Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9 (8+1)	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.03-1.0+0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

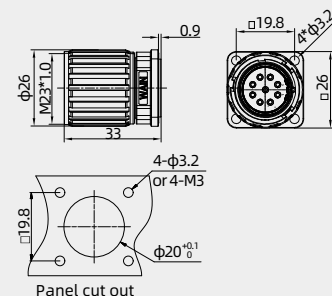


Contacts	Designation	Order No.
9	MR23N-009-BK26-OD3.2	181 009 399 1500

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Designation	Order No.
9	MR23N-009R-BK26-OD3.2	181 009 399 1501



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Crimp contacts 20A

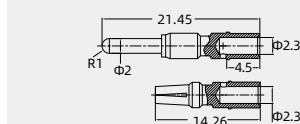
20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

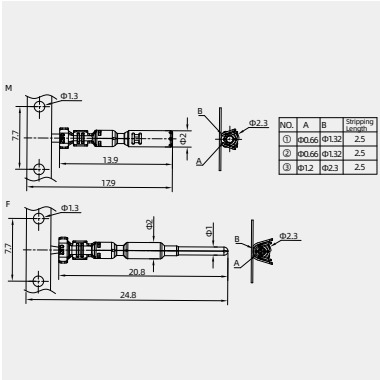
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

160V- 10A

Technical characteristics



Specifications

Specifications	DIN EN 60 664
	DIN EN 61 984

Approvals

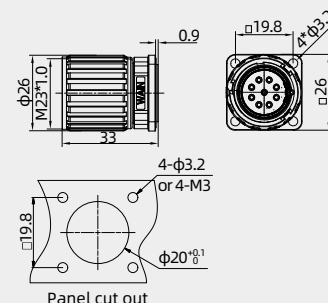
Electrical data		Mechanical data	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm ² / AWG	0.03-1.0	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
9	MR23N-009/B-BK26-OD3.2	181 009 399 1506

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
9	MR23N-009R/B-BK26-OD3.2	181 009 399 1507



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

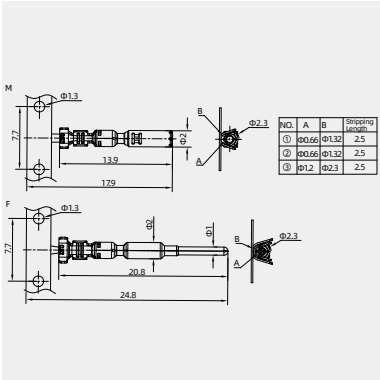
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

160V/125V- 7A

Technical characteristics



Specifications				
Specifications		DIN EN 60 664		
		DIN EN 61 984		
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated voltage	160 V	125 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

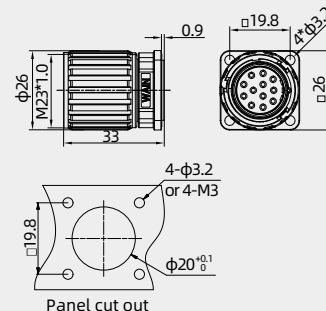


Contacts	Designation	Order No.
12	MR23N-012-BK26-OD3.2	181 012 300 1500
17	MR23N-017-BK26-OD3.2	181 017 399 1500

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Designation	Order No.
12	MR23N-012R-BK26-OD3.2	166 012 499 2500
17	MR23N-017R-BK26-OD3.2	181 017 399 1501



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

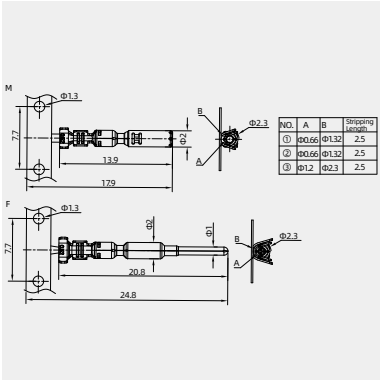
Stamped contacts

Remark: SPQ is 3000pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850

coil stock

Note: 10kpcs/ volume



MR23 Circular connector

63V- 7A

Technical characteristics



Specifications			
Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
power:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

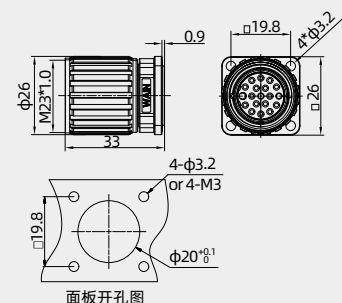


Contacts	Designation	Order No.
19	MR23N-019-BK26-OD3.2	181 019 399 1500

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Designation	Order No.
19	MR23N-019R-BK26-OD3.2	181 019 399 1501



Crimp contacts

Remark: SPQ is 100pcs

Power/Signal Crimp contacts

Signal (x16)	
Power (x3)	
Signal (x16)	
Power (x3)	

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
③	0.14-1.0	MR23-MC7G-1.0	101 015 210 0801
④	0.5-1.5	MR23-MC7G-1.5	101 015 210 0901
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
③	0.14-1.0	MR23-FC7G-1.0	101 015 220 0801
④	0.5-1.5	MR23-FC7G-1.5	101 015 220 0901

Remark: SPQ is 1pc

Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	21	4mm
②	2.1	1.45	21	4mm
③	2.1	1.45	20.65	6mm
④	2.1	1.75	20.65	6mm

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	2.1	1.45	13.9	6mm
④	2.1	1.75	13.9	6mm

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

Accessories

Stamped contacts

Stamped contacts

Remark: SPQ is 3000pcs

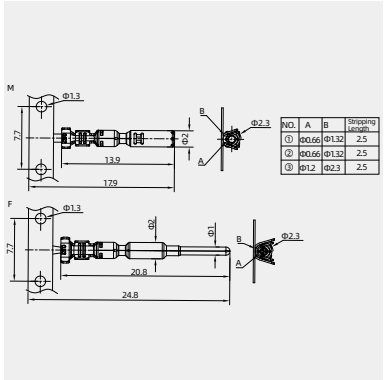
NO.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



coil stock



Note: 10kpcs/ volume



MR23 Circular connector

300V- 20A

Technical characteristics



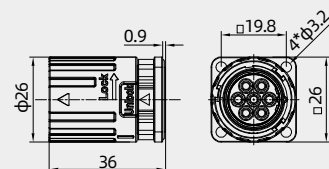
Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	6	7	Housing material	copper alloy,zinc alloy
Rated current	20A	20A	Housing surface	Nickel-plated
mm²/ AWG	(0.35-2.5 mm² / AWG 22-14)		Contact resistance	≤ 5 mΩ
Rated voltage	300 V	300 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.5 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
6	MR23Q-006-BK26-OD3.2	181 006 399 1501
7	MR23Q-007-BK26-OD3.2	181 007 399 1501

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
6	MR23Q-006R-BK26-OD3.2	181 006 399 1502
7	MR23Q-007R-BK26-OD3.2	181 007 399 1502



Crimp contacts

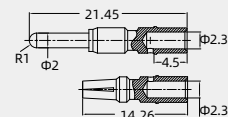
Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001



Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

160V- 10A

Technical characteristics



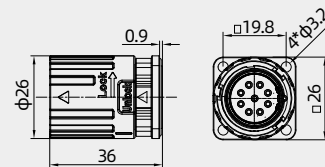
Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	9 (8+1)	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.03-1.0+0.35-2.5	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
9	MR23Q-009-BK26-OD3.2	181 009 399 1502

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
9	MR23Q-009R-BK26-OD3.2	181 009 399 1503



Crimp contacts

Crimp contacts 9A

9A

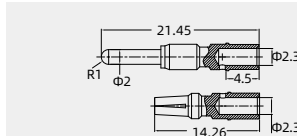


Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm



Crimp contacts 20A

20A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.35-2.5	MR23-MC20G-2.5	101 020 210 1001
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.35-2.5	MR23-FC20G-2.5	101 020 220 1001

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

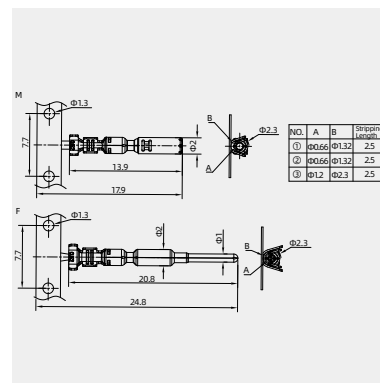
Stamped contacts

Remark: SPQ is 3000pcs

coil stock

Note: 10kpcs/ volume

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



MR23 Circular connector

160V- 10A

Technical characteristics



Specifications			
Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	9	Housing material	copper alloy,zinc alloy
Rated current	10A	Housing surface	Nickel-plated
mm²/ AWG	0.03-1.0	Contact resistance	≤ 5 mΩ
Rated voltage	160 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	Contact material	copper alloy
Pollution degree	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	Degree of protection	IP67
		Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

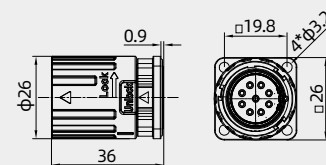


Contacts	Designation	Order No.
9	MR23Q-009/B-BK26-OD3.2	181 009 399 1504

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Designation	Order No.
9	MR23Q-009R/B-BK26-OD3.2	181 009 399 1505



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

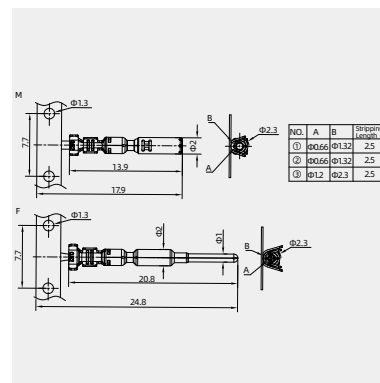
Stamped contacts

Remark: SPQ is 3000pcs



Note: 10kpcs/ volume

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



MR23 Circular connector

160V/125V- 7A

Technical characteristics



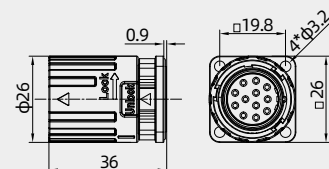
Specifications				
Specifications	DIN EN 60 664			
	DIN EN 61 984			
Approvals				
Electrical data			Mechanical date	
Number of contacts	12	17	Housing material	copper alloy,zinc alloy
Rated current	7A	7A	Housing surface	Nickel-plated
mm²/ AWG	(0.03-1.0 mm² / AWG 32-18)		Contact resistance	≤ 5 mΩ
Rated voltage	160 V	125 V	Insulating bodies	PBT
Rated impulse voltage	2.5 kV	2.0 kV	Contact material	copper alloy
Pollution degree	3	3	Contact surface	gold plated
Flammability acc. to UL 94	V0 (UL94)	V0 (UL94)	Mechanical working life	>500
Overvoltage categorie	III	III	Degree of protection	IP67
			Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
12	MR23Q-012-BK26-OD3.2	181 012 300 1501
17	MR23Q-017-BK26-OD3.2	181 017 399 1502

Reverse coding, Crimp terminal
order crimp contacts separately

Contacts	Designation	Order No.
12	MR23Q-012R-BK26-OD3.2	181 012 400 1500
17	MR23Q-017R-BK26-OD3.2	181 017 399 1503



Crimp contacts

Crimp contacts 9A

9A



Remark: SPQ is 100pcs

NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801

NO.	Φa	Φb	Stripping Length
①	1.7	0.9	4mm
②	2.1	1.45	4mm

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm

Tools

Crimping tool



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

MR23 Circular connector

63V- 7A

Technical characteristics



Specifications			
Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	19(16+3)	Housing material	copper alloy,zinc alloy
signal:	0.03-1.0 mm ² / AWG 32-18	Housing surface	Nickel-plated
power:	0.14-1.5 mm ² / AWG 20-16	Contact resistance	≤ 5 mΩ
Rated current	7A	Insulating bodies	PBT
Rated voltage	63 V	Contact material	copper alloy
Rated impulse voltage	1.5 kV	Contact surface	gold plated
Pollution degree	3	Mechanical working life	>500
Flammability acc. to UL 94	V0 (UL94)	Degree of protection	IP67
Overvoltage categorie	III	Limiting temperature	-40°C ...+130°C

Forward coding, Crimp terminal
order crimp contacts separately

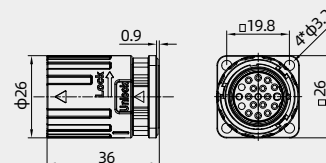


Contacts	Designation	Order No.
19	MR23Q-019-BK26-OD3.2	181 019 399 1502

Reverse coding, Crimp terminal
order crimp contacts separately



Contacts	Designation	Order No.
19	MR23Q-019R-BK26-OD3.2	181 019 399 1503



Crimp contacts

Remark: SPQ is 100pcs

Power/Signal Crimp contacts

Signal (x16)



Power (x3)



Signal (x16)



Power (x3)



NO.	Wire gauge(mm ²)	Male	Order No.
①	0.03-0.34	M23-MC9G-0.34	101 031 210 2501
②	0.14-1.0	M23-MC9G-1.0	101 031 210 0801
③	0.14-1.0	MR23-MC7G-1.0	101 015 210 0801
④	0.5-1.5	MR23-MC7G-1.5	101 015 210 0901
NO.	Wire gauge(mm ²)	Female	Order No.
①	0.03-0.34	M23-FC9G-0.34	101 031 220 2501
②	0.14-1.0	M23-FC9G-1.0	101 031 220 0801
③	0.14-1.0	MR23-FC7G-1.0	101 015 220 0801
④	0.5-1.5	MR23-FC7G-1.5	101 015 220 0901

Remark: SPQ is 1pc

Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14-4 mm ²	TL28-2	198 001 001 0039

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	21	4mm
②	2.1	1.45	21	4mm
③	2.1	1.45	20.65	6mm
④	2.1	1.75	20.65	6mm

NO.	Φa	Φb	C	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	2.1	1.45	13.9	6mm
④	2.1	1.75	13.9	6mm

Notes: The tools for crimp terminal may influence the product quality and stability. Please select the tools recognized by our company.

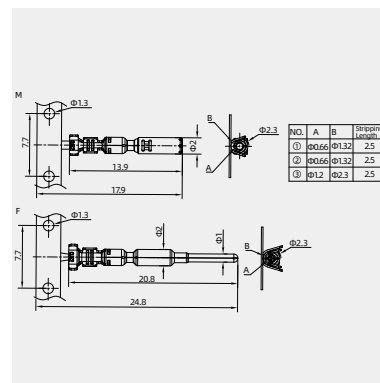
Stamped contacts

Remark: SPQ is 3000pcs



Note: 10kpcs/ volume

NO.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-FC9G-0.2P	101 031 220 0150
②	0.2-0.52	M23-FC9G-0.52P	101 031 220 0550
③	0.75-1.0	M23-FC9G-1.0P	101 031 220 0850



MR23 Circular connector

Fixed plate

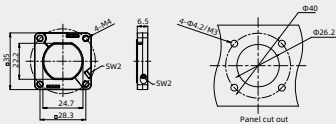
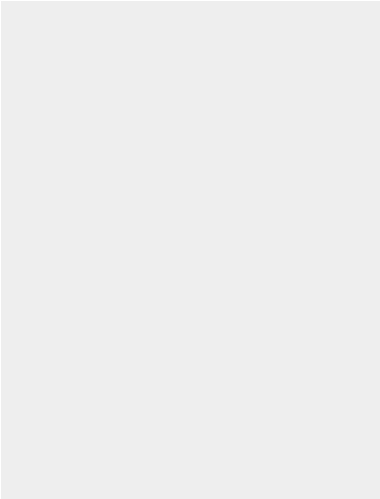
Technical characteristics	
Pollution degree	3
Connector locking system	screw M3、 M4
Limiting temperature	-20°C ...+130°C
Material of housing	zinc alloy

Remark: SPQ is 1pc

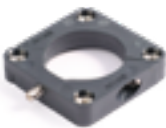
Fixed plate



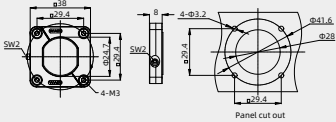
Describe	Designation	Order No.
immobilization	MR23-BK35-Φ24.5	181 000 000 1500



Fixed plate



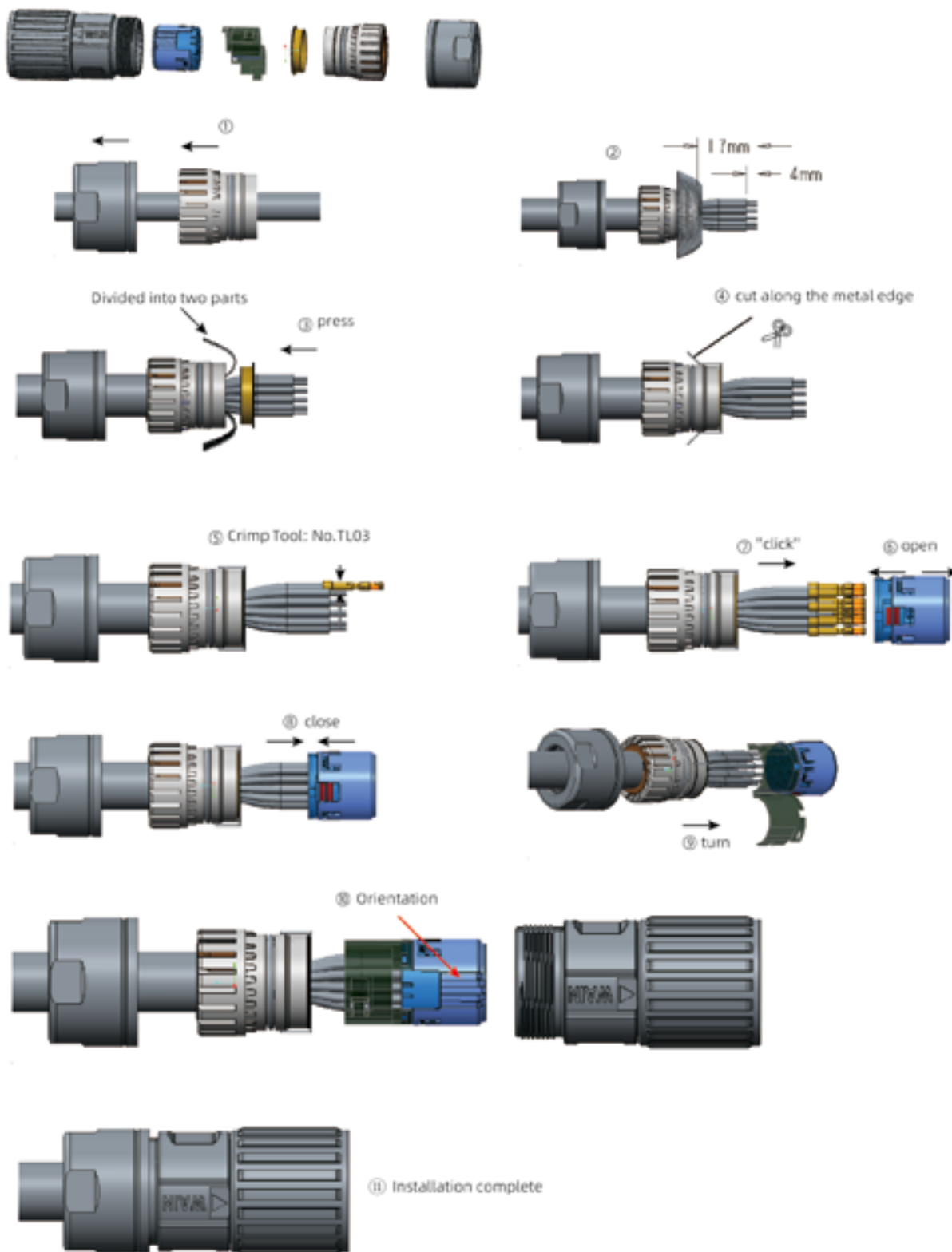
Describe	Designation	Order No.
immobilization	MR23P-BK38-Φ24.5	181 000 000 3501



MR23 Circular connector

- Operating Instruction(MR23-0XX-T-DXX-SH)

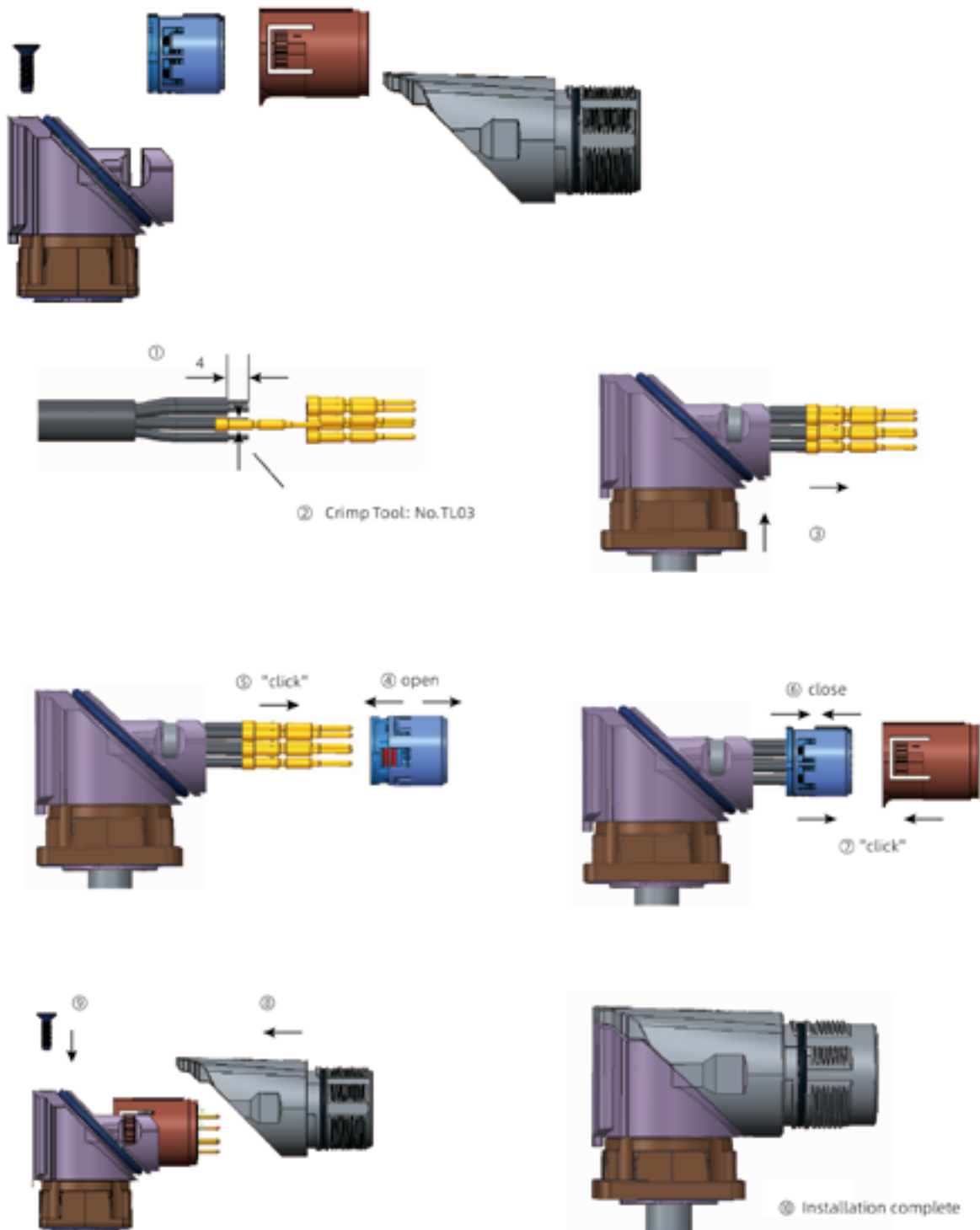
- Installation Step



MR23 Circular connector

- Operating Instruction(MR23-0XX-BKP26-SE)

- Installation Step



- Operating Instruction(MR23-0XX-BK26-OD3.2/2.7)

- Installation Step

