

M23 Circular power connectors



Circular Connector M23

630/250V 200A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical data	
Number of contacts	1	Housing material	CuZn,Zinc(GD-Zn)
Contacts	-	Housing surface	Nickel-plated
ContactsΦ(mm)	-	Insulating bodies	Polyamide
mm ² /AWG		Contact material	copper alloy
Rated current(25°C)	200A	Contact surface	gold plated
Rated voltage	630V	Terminal	Crimp version
Test voltage Urms (AC)	6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III	Ambient temperature	-40°C ...+130°C
Pollution degree	3	Cable outlet	4.2-17mm shielded
		Connector locking system	M23screw
		Mechanical operation	> 500
		Degree of protection	IP67

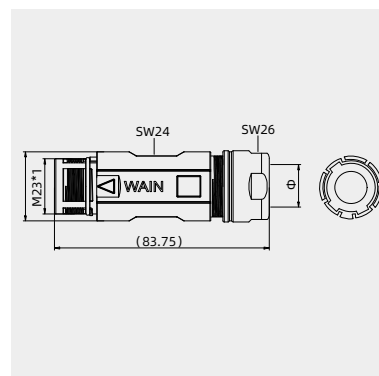
Remark: SPQ is 5pcs

Male, Crimp terminal

order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
1	4.2-6.6mm	M23-MC01-CCT-D6.6-SH	166 001 410 2501
	7.5-12mm	M23-MC01-CCT-D12-SH	166 001 410 2502
	9.5-14.5mm	M23-MC01-CCT-D14.5-SH	166 001 410 2503
	14-17mm	M23-MC01-CCT-D17-SH	166 001 410 2500

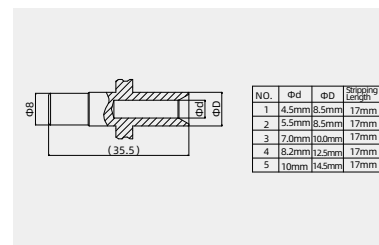


Crimp contacts

Remark: SPQ is 5pcs



No.	Wire gauge(mm ²)	Male	Order No.
①	10mm ²	M23-MC200S-10	101 027 110 1450
②	16mm ²	M23-MC200S-16	101 027 110 1550
③	25mm ²	M23-MC200S-25	101 027 110 1650
④	35mm ²	M23-MC200S-35	101 027 110 1750
⑤	50mm ²	M23-MC200S-50	101 027 110 1850



100A-650A

High current electro-hydraulic pliers



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
10-300 mm ²	TL05-EA	198 001 001 0020

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

Circular Connector M23

630/250V 200A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical date	
Number of contacts	1	Housing material	CuZn,Zinc(GD-Zn)
Contacts	-	Housing surface	Nickel-plated
ContactsΦ(mm)	-	Insulating bodies	Polyamide
mm²/AWG		Contact material	copper alloy
Rated current(25°C)	200A	Contact surface	gold plated
Rated voltage	630	Terminal	Crimp version
Test voltage Urms (AC)	6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III	Ambient temperature	-40°C ...+130°C
Pollution degree	3	Cable outlet	4.2-17mm shielded
		Connector locking system	M23screw
		Mechanical operation	> 500
		Degree of protection	IP67

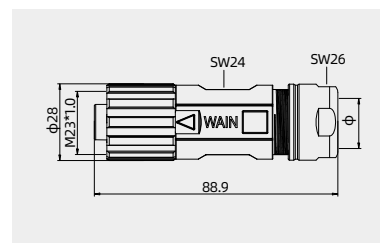
Remark: SPQ is 5pcs

Male, Crimp terminal

order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
1	4.2-6.6mm	M23-FC01-T-D6.6-SH	166 001 420 2502
	7.5-12mm	M23-FC01-T-D12-SH	166 001 420 2503
	9.5-14.5mm	M23-FC01-T-D14.5-SH	166 001 420 2504
	14-17mm	M23-FC01-T-D17-SH	166 001 420 2500

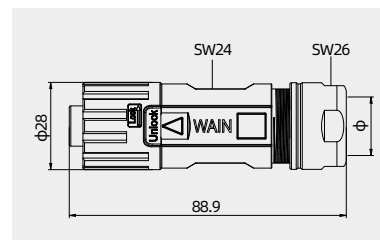


Female, Crimp terminal

order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
1	4.2-6.6mm	M23Q-FC01-T-D6.6-SH	166 001 420 2505
	7.5-12mm	M23Q-FC01-T-D12-SH	166 001 420 2506
	9.5-14.5mm	M23Q-FC01-T-D14.5-SH	166 001 420 2507
	14-17mm	M23Q-FC01-T-D17-SH	166 001 420 2501

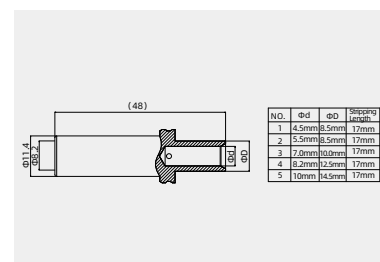


Crimp contacts

Remark: SPQ is 5pcs



No.	Wire gauge(mm ²)	Female	Order No.
①	10mm ²	M23-FC200S-10	101 027 120 1450
②	16mm ²	M23-FC200S-16	101 027 120 1550
③	25mm ²	M23-FC200S-25	101 027 120 1650
④	35mm ²	M23-FC200S-35	101 027 120 1750
⑤	50mm ²	M23-FC200S-50	101 027 120 1850



100A-650A

High current electro-hydraulic pliers



Remark: SPQ is 1pc

Wire gauge	Designation	Order No.
10-300 mm ²	TL05-EA	198 001 001 0020

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

Circular Connector M23

630/250V 30/9A

Technical characteristics

Specifications									
Specifications	DIN EN 60 664								
	DIN EN 61 984								
Approvals									
Electrical data								Mechanical date	
Number of contacts	6(5+PE)	8(4+3+PE)		9(5+3+PE)		9B(5+3+PE)		Housing material	CuZn,Zinc(GD-Zn)
Contacts	5+PE	4	3+PE	5	3+PE	5	3+PE	Housing surface	Nickel-plated
ContactsΦ(mm)	2	1	2	1	2	1	2	Insulating bodies	Polyamide
mm²/AWG	0.35...4.0/22-12	0.03...1.5/32-16	0.35...4.0/22-12	0.14...1.5/26-16	0.35...4.0/22-12	0.14...1.5/26-16	0.35...4.0/22-12	Contact material	copper alloy
Rated current(25°C)	30	9	30	9	30	7	30	Contact surface	gold plated
Rated voltage	630	250	630	250	630	250	630	Terminal	Crimp version
Test voltage Urms (AC)	6kV	4kV	6kV	4kV	6kV	2.5kV	6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III		III		III		III	Ambient temperature	-40°C ...+130°C
Pollution degree	3		3		3		3	Cable outlet	4.2-17mm shielded
								Connector locking system	M23screw
								Mechanical operation	> 500
								Degree of protection	IP67

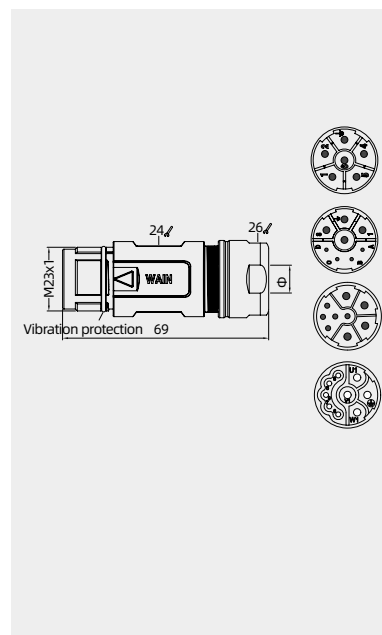
Remark: SPQ is 5pcs

Male, Crimp terminal

order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
(5+PE)	4.2-6.6mm	M23-MC06-TH-D6.6-SH	166 006 110 2007
	7.5-12mm	M23-MC06-TH-D12-SH	166 006 110 2001
	9.5-14.5mm	M23-MC06-TH-D14.5-SH	166 006 110 2002
	14-17mm	M23-MC06-TH-D17-SH	166 006 110 2003
8(4+3+PE)	4.2-6.6mm	M23-MC04/4-TH-D6.6-SH	166 008 110 2007
	7.5-12mm	M23-MC04/4-TH-D12-SH	166 008 110 2001
	9.5-14.5mm	M23-MC04/4-TH-D14.5-SH	166 008 110 2002
	14-17mm	M23-MC04/4-TH-D17-SH	166 008 110 2003
9(5+3+PE)	4.2-6.6mm	M23-MC04/5-TH-D6.6-SH	181 000 099 2502
	7.5-12mm	M23-MC04/5-TH-D12-SH	166 000 110 2500
	9.5-14.5mm	M23-MC04/5-TH-D14.5-SH	181 000 099 2503
	14-17mm	M23-MC04/5-TH-D17-SH	181 000 099 2504
9B(5+3+PE)	4.2-6.6mm	M23-MC04/5B-TH-D6.6-SH	166 009 110 2500
	7.5-12mm	M23-MC04/5B-TH-D12-SH	166 009 110 2501
	9.5-14.5mm	M23-MC04/5B-TH-D14.5-SH	166 009 110 2502
	14-17mm	M23-MC04/5B-TH-D17-SH	166 009 110 2503



Crimp contacts

Crimp contacts 9A/30A

9A

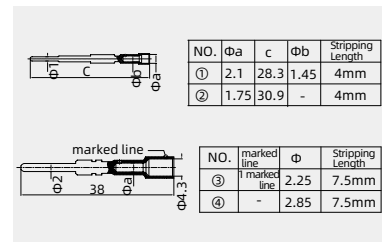


30A



Remark: SPQ is 100pcs

No.	Wire gauge(mm ²)	Male	Order No.
①	0.14-1.0	M23-MCL9G-1.0	101 031 210 0802
②	0.5-1.5	M23-MCL9G-1.5	101 031 210 0902
③	0.35-2.5	M23-MCL30G-2.5	101 031 210 1002
④	2.5-4.0	M23-MCL30G-4.0	101 031 210 1202



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.

Circular Connector M23

630/250V 30/9A

Technical characteristics

Specifications											
Specifications	DIN EN 60 664										
	DIN EN 61 984										
Approvals											
Electrical data						Mechanical date					
Number of contacts	6(5+PE)		8(4+3+PE)		9(5+3+PE)		Housing material	CuZn,Zinc(GD-Zn)			
Contacts	5+PE		4		3+PE		5	3+PE	Housing surface	Nickel-plated	
ContactsΦ(mm)	2		1		2		1		2	Insulating bodies	Polyamide
mm²/AWG	0.35...4.0/22-12		0.03...1.5/32-16		0.35...4.0/22-12		0.14...1.5/26-16		0.35...4.0/22-12	Contact material	copper alloy
Rated current(25°C)	30		9		30		9		30	Contact surface	gold plated
Rated voltage	630		250		630		250		630	Terminal	Crimp version
Test voltage Urms (AC)	6kV		4kV		6kV		4kV		6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III				III				III	Ambient temperature	-40°C ...+130°C
Pollution degree	3				3				3	Cable outlet	4.2-17mm shielded
										Connectorlocking system	M23screw
										Mechanical operation	> 500
										Degree of protection	IP67

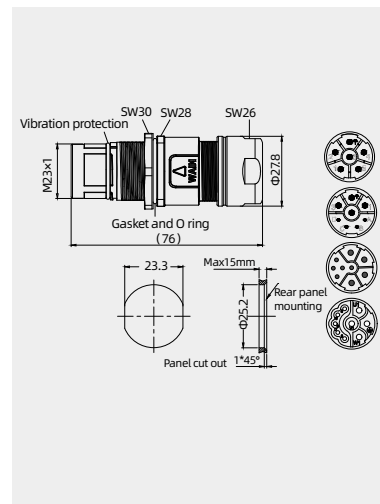
Remark: SPQ is 5pcs

Male, Crimp terminal

order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
6(5+PE)	4.2-6.6mm	M23-MC06-CCT/R-D6.6-SH	166 006 110 2008
	7.5-12mm	M23-MC06-CCT/R-D12-SH	166 006 710 2005
	9.5-14.5mm	M23-MC06-CCT/R-D14.5-SH	166 006 710 2006
	14-17mm	M23-MC06-CCT/R-D17-SH	166 006 710 2002
8(4+3+PE)	4.2-6.6mm	M23-MC04/4-CCT/R-D6.6-SH	166 008 110 2008
	7.5-12mm	M23-MC04/4-CCT/R-D12-SH	166 008 710 2005
	9.5-14.5mm	M23-MC04/4-CCT/R-D14.5-SH	166 008 710 2006
	14-17mm	M23-MC04/4-CCT/R-D17-SH	166 008 710 2004
9(5+3+PE)	4.2-6.6mm	M23-MC04/5-CCT/R-D6.6-SH	181 000 099 2505
	7.5-12mm	M23-MC04/5-CCT/R-D12-SH	166 009 710 2500
	9.5-14.5mm	M23-MC04/5-CCT/R-D14.5-SH	181 000 099 2506
	14-17mm	M23-MC04/5-CCT/R-D17-SH	181 000 099 2507
9B(5+3+PE)	4.2-6.6mm	M23-MC04/5B-CCT/R-D6.6-SH	166 009 710 2501
	7.5-12mm	M23-MC04/5B-CCT/R-D12-SH	166 009 710 2502
	9.5-14.5mm	M23-MC04/5B-CCT/R-D14.5-SH	166 009 710 2503
	14-17mm	M23-MC04/5B-CCT/R-D17-SH	166 009 710 2504



Crimp contacts

Crimp contacts 9A/30A

9A

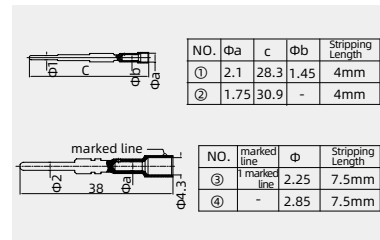


30A



Remark: SPQ is 100pcs

No.	Wire gauge(mm ²)	Male	Order No.
①	0.14-1.0	M23-MCL9G-1.0	101 031 210 0802
②	0.5-1.5	M23-MCL9G-1.5	101 031 210 0902
③	0.35-2.5	M23-MCL30G-2.5	101 031 210 1002
④	2.5-4.0	M23-MCL30G-4.0	101 031 210 1202



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.

Circular Connector M23

630/250V 30/9A

Technical characteristics

Specifications									
Specifications	DIN EN 60 664								
	DIN EN 61 984								
Approvals									
Electrical data						Mechanical date			
Number of contacts	6(5+PE)		8(4+3+PE)		9(5+3+PE)		Housing material	CuZn,Zinc(GD-Zn)	
Contacts	5+PE		4		3+PE		5	3+PE	
ContactsΦ(mm)	2		1		2		1	2	
mm²/AWG	0.35...4.0/22-12		0.03...1.5/32-16		0.35...4.0/22-12		0.14...1.5/26-16	0.35...4.0/22-12	
Rated current(25°C)	30		9		30		9	30	
Rated voltage	630		250		630		250	630	
Test voltage Urms (AC)	6kV		4kV		6kV		4kV	6kV	
Overvoltage categorie	III				III			III	
Pollution degree	3				3			3	
								Cable outlet	4.2-17mm shielded
								Connector locking system	M23screw
								Mechanical operation	> 500
								Degree of protection	IP67

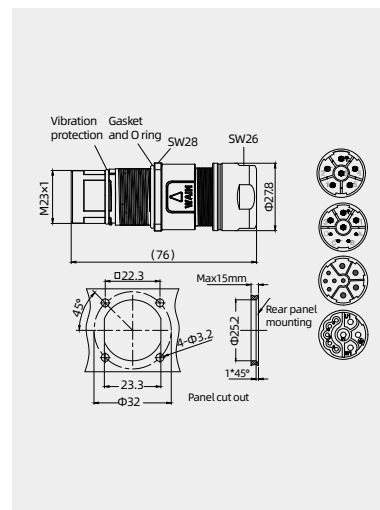
Remark: SPQ is 5pcs

Male, Crimp terminal

order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
6(5+PE)	4.2-6.6mm	M23-MC06-CCT/R28-D6.6-SH	166 006 110 2009
	7.5-12mm	M23-MC06-CCT/R28-D12-SH	166 006 710 2007
	9.5-14.5mm	M23-MC06-CCT/R28-D14.5-SH	166 006 710 2008
	14-17mm	M23-MC06-CCT/R28-D17-SH	166 006 710 2001
8(4+3+PE)	4.2-6.6mm	M23-MC04/4-CCT/R28-D6.6-SH	166 008 110 2009
	7.5-12mm	M23-MC04/4-CCT/R28-D12-SH	166 008 710 2007
	9.5-14.5mm	M23-MC04/4-CCT/R28-D14.5-SH	166 008 710 2008
	14-17mm	M23-MC04/4-CCT/R28-D17-SH	166 008 710 2002
9(5+3+PE)	4.2-6.6mm	M23-MC04/5-CCT/R28-D6.6-SH	181 000 099 2508
	7.5-12mm	M23-MC04/5-CCT/R28-D12-SH	166 000 799 2500
	9.5-14.5mm	M23-MC04/5-CCT/R28-D14.5-SH	166 000 799 2501
	14-17mm	M23-MC04/5-CCT/R28-D17-SH	166 000 799 2502
9B(5+3+PE)	4.2-6.6mm	M23-MC04/5B-CCT/R28-D6.6-SH	166 009 710 2505
	7.5-12mm	M23-MC04/5B-CCT/R28-D12-SH	166 009 710 2506
	9.5-14.5mm	M23-MC04/5B-CCT/R28-D14.5-SH	166 009 710 2507
	14-17mm	M23-MC04/5B-CCT/R28-D17-SH	166 009 710 2508



Crimp contacts

Crimp contacts 9A/30A

9A

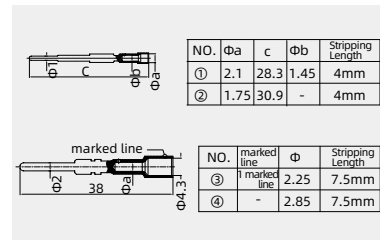


30A



Remark: SPQ is 100pcs

No.	Wire gauge(mm ²)	Male	Order No.
①	0.14-1.0	M23-MCL9G-1.0	101 031 210 0802
②	0.5-1.5	M23-MCL9G-1.5	101 031 210 0902
③	0.35-2.5	M23-MCL30G-2.5	101 031 210 1002
④	2.5-4.0	M23-MCL30G-4.0	101 031 210 1202



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.

Circular Connector M23

630/250V 30/9A

Technical characteristics

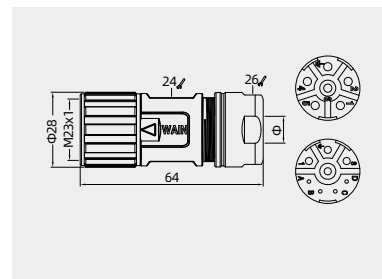
Specifications											
Specifications	DIN EN 60 664										
	DIN EN 61 984										
Approvals											
Electrical data						Mechanical date					
Number of contacts	6(5+PE)		8(4+3+PE)		9(5+3+PE)		Housing material	CuZn,Zinc(GD-Zn)			
Contacts	5+PE		4		3+PE		5	3+PE	Housing surface	Nickel-plated	
ContactsΦ(mm)	2		1		2		1		2	Insulating bodies	Polyamide
mm²/AWG	0.35...4.0/22-12		0.03...1.5/32-16		0.35...4.0/22-12		0.14...1.5/26-16		0.35...4.0/22-12	Contact material	copper alloy
Rated current(25°C)	30		9		30		9		30	Contact surface	gold plated
Rated voltage	630		250		630		250		630	Terminal	Crimp version
Test voltage Urms (AC)	6kV		4kV		6kV		4kV		6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III				III				III	Ambient temperature	-40°C ...+130°C
Pollution degree	3				3				3	Cable outlet	4.2-17mm shielded
										Connector locking system	M23screw
										Mechanical operation	> 500
										Degree of protection	IP67

Remark: SPQ is 5pcs

Female, Crimp terminal
order crimp contacts separately



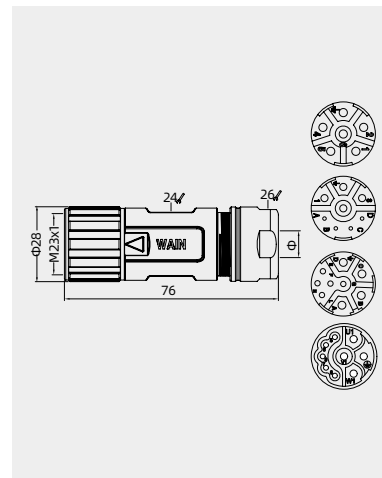
Contacts	Cable outlet	Designation	Order No.
6(5+PE)	4.2-6.6mm	M23-FC06-T-D6.6-SH	166 006 420 2007
	7.5-12mm	M23-FC06-T-D12-SH	166 006 420 2001
	9.5-14.5mm	M23-FC06-T-D14.5-SH	166 006 420 2002
	14-17mm	M23-FC06-T-D17-SH	166 006 420 2003
8(4+3+PE)	4.2-6.6mm	M23-FC04/4-T-D6.6-SH	166 008 120 2004
	7.5-12mm	M23-FC04/4-T-D12-SH	166 008 420 2001
	9.5-14.5mm	M23-FC04/4-T-D14.5-SH	166 008 420 2002
	14-17mm	M23-FC04/4-T-D17-SH	166 008 420 2003



Female, Crimp terminal
order crimp contacts separately
Recommended use



Contacts	Cable outlet	Designation	Order No.
6(5+PE)	4.2-6.6mm	M23-FC06-TH-D6.6-SH	166 006 420 2008
	7.5-12mm	M23-FC06-TH-D12-SH	166 006 120 2001
	9.5-14.5mm	M23-FC06-TH-D14.5-SH	166 006 120 2002
	14-17mm	M23-FC06-TH-D17-SH	166 006 120 2003
8(4+3+PE)	4.2-6.6mm	M23-FC04/4-TH-D6.6-SH	166 008 120 2005
	7.5-12mm	M23-FC04/4-TH-D12-SH	166 008 120 2001
	9.5-14.5mm	M23-FC04/4-TH-D14.5-SH	166 008 120 2002
	14-17mm	M23-FC04/4-TH-D17-SH	166 008 120 2003
9(5+3+PE)	4.2-6.6mm	M23-FC04/5-TH-D6.6-SH	166 000 199 0500
	7.5-12mm	M23-FC04/5-TH-D12-SH	166 009 420 2001
	9.5-14.5mm	M23-FC04/5-TH-D14.5-SH	166 000 199 2500
	14-17mm	M23-FC04/5-TH-D17-SH	166 009 120 2500
9B(5+3+PE)	4.2-6.6mm	M23-FC04/5B-TH-D6.6-SH	166 009 120 2501
	7.5-12mm	M23-FC04/5B-TH-D12-SH	166 009 120 2502
	9.5-14.5mm	M23-FC04/5B-TH-D14.5-SH	166 009 120 2503
	14-17mm	M23-FC04/5B-TH-D17-SH	166 009 120 2504



Crimp contacts

Crimp contacts 9A/30A

9A



30A



Tools

Crimping tool



Remark: SPQ is 100pcs

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	0.5-1.5	M23-FC9G-1.5	101 031 220 0901
④	0.35-2.5	M23-FC30G-2.5	101 032 220 1001
⑤	2.5-4.0	M23-FC30G-4.0	101 032 220 1201

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	14	4mm
②	2.1	1.45	14	4mm
③	1.75	-	16.7	4.9mm

NO.	marked line	Φ	Stripping Length
④	marked line	2.25	7.5mm
⑤	-	2.85	7.5mm

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

Stamped contacts

9G/30G Stamped contacts

9G



30G

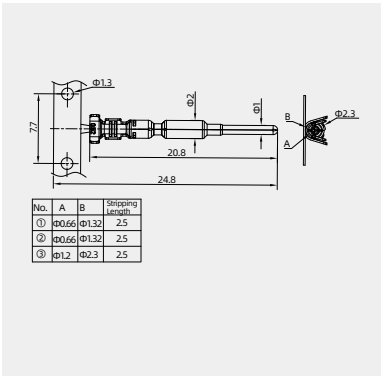


coil stock



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
Remark: SPQ is 3000pcs			
①	0.5-2.5	M23-FC30G-2.5P	101 032 210 0150
②	2.5-4.0	M23-FC30G-4.0P	101 032 220 1251



Circular Connector M23

630/250V 30/9A

Technical characteristics



Specifications							
Specifications	DIN EN 60 664						
	DIN EN 61 984						
Approvals							
Electrical data						Mechanical data	
Number of contacts	6(5+PE)	8(4+3+PE)		9(5+3+PE)		Housing material	CuZn,Zinc(GD-Zn)
Contacts	5+PE	4	3+PE	5	3+PE	Housing surface	Nickel-plated
ContactsΦ(mm)	2	1	2	1	2	Insulating bodies	Polyamide
mm²/AWG	0.35...4.0/22-12	0.03...1.5/32-16	0.35...4.0/22-12	0.14...1.5/26-16	0.35...4.0/22-12	Contact material	copper alloy
Rated current(25°C)	30	9	30	9	30	Contact surface	gold plated
Rated voltage	630	250	630	250	630	Terminal	Crimp version
Test voltage Urms (AC)	6kV	4kV	6kV	4kV	6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III		III		III	Ambient temperature	-40°C ...+130°C
Pollution degree	3		3		3	Cable outlet	4.2-17mm shielded
						Connector locking system	M23screw
						Mechanical operation	> 500
						Degree of protection	IP67

Female, Crimp terminal

order crimp contacts separately

Recommended use



Contacts	Cable outlet	Designation	Order No.
6(5+PE)	4.2-6.6mm	M23Q-FC06-TH-D6.6-SH	166 006 220 2004
	7.5-12mm	M23Q-FC06-TH-D12-SH	166 006 220 2001
	9.5-14.5mm	M23Q-FC06-TH-D14.5-SH	166 006 220 2002
	14-17mm	M23Q-FC06-TH-D17-SH	166 006 220 2003
8(4+3+PE)	4.2-6.6mm	M23Q-FC04/4-TH-D6.6-SH	166 008 420 2500
	7.5-12mm	M23Q-FC04/4-TH-D12-SH	166 008 220 2001
	9.5-14.5mm	M23Q-FC04/4-TH-D14.5-SH	166 008 220 2002
	14-17mm	M23Q-FC04/4-TH-D17-SH	166 008 220 2003
9(5+3+PE)	4.2-6.6mm	M23Q-FC04/5-TH-D6.6-SH	166 009 420 2505
	7.5-12mm	M23Q-FC04/5-TH-D12-SH	166 009 220 2001
	9.5-14.5mm	M23Q-FC04/5-TH-D14.5-SH	166 009 420 2504
	14-17mm	M23Q-FC04/5-TH-D17-SH	166 009 199 0500
9B(5+3+PE)	4.2-6.6mm	M23Q-FC04/5B-TH-D6.6-SH	166 009 120 2509
	7.5-12mm	M23Q-FC04/5B-TH-D12-SH	166 009 120 2510
	9.5-14.5mm	M23Q-FC04/5B-TH-D14.5-SH	166 009 120 2511
	14-17mm	M23Q-FC04/5B-TH-D17-SH	166 009 120 2512

Crimp contacts

Crimp contacts 9A/30A

9A



30A



Tools

Crimping tool



Remark: SPQ is 100pcs

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	0.5-1.5	M23-FC9G-1.5	101 031 220 0901
④	0.35-2.5	M23-FC30G-2.5	101 032 220 1001
⑤	2.5-4.0	M23-FC30G-4.0	101 032 220 1201

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	14	4mm
②	2.1	1.45	14	4mm
③	1.75	-	16.7	4.9mm

NO.	marked line	Φ	Stripping Length
④	marked line	2.25	7.5mm
⑤	-	2.85	7.5mm

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

Remark: SPQ is 3000pcs

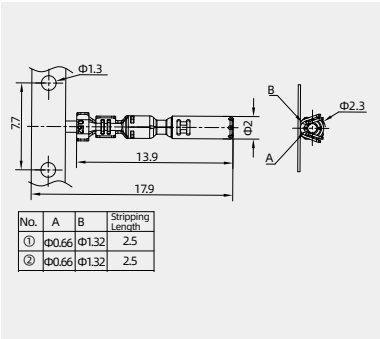
No.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850



coil stock



Note: 10kpcs/volume



Circular Connector M23

630/250V 30/9A

Technical characteristics

Specifications							
Specifications	DIN EN 60 664						
	DIN EN 61 984						
Approvals							
Electrical data			Mechanical date				
Number of contacts	6(5+PE)		8(4+3+PE)		Housing material	CuZn,Zinc(GD-Zn)	
Contacts	5+PE		4		3+PE	Housing surface	Nickel-plated
ContactsΦ(mm)	2		1		2	Insulating bodies	Polyamide
mm²/AWG	0.1...4.0/28-12		0.03...1.0/32-18		0.1...4.0/28-12	Contact material	copper alloy
Rated current(25°C)	30		9		30	Contact surface	gold plated
Rated voltage	630		250		630	Terminal	Crimp version
Test voltage Urms (AC)	6kV		4kV		6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III				III	Ambient temperature	-40°C ...+130°C
Pollution degree	3				3	Connector locking system	M23screw
						Mechanical operation	> 500
						Degree of protection	IP67

Remark: SPQ is 5pcs

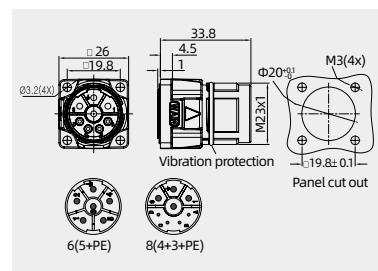
Male, Crimp terminal

order crimp contacts separately

Recommended use



Contacts	Designation	Order No.
6(5+PE)	M23-MC06-BK26	166 006 310 1001
8(4+3+PE)	M23-MC04/4-BK26	166 008 310 1001

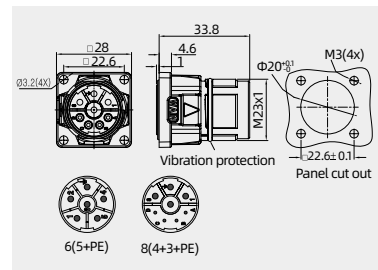


Male, Crimp terminal

order crimp contacts separately



Contacts	Designation	Order No.
6(5+PE)	M23-MC06-BK28	166 006 310 1002
8(4+3+PE)	M23-MC04/4-BK28	166 008 310 1002



Crimp contacts

Crimp contacts 9A/30A

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
③	0.1-0.5	M23-MC30G-0.5	101 032 210 0401
④	0.35-2.5	M23-MC30G-2.5	101 032 210 1001
⑤	2.5-4.0	M23-MC30G-4.0	101 032 210 1201

30A



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
③	1.75	-	16.7	4.9mm

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

Remark: SPQ is 3000pcs

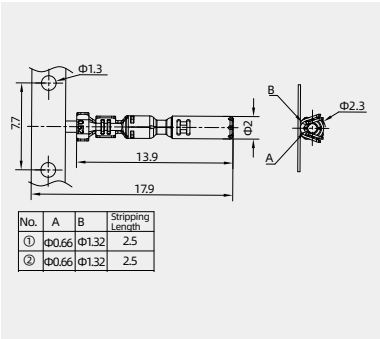
No.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850



coil stock



Note: 10kpcs/volume



M23

Circular Connector M23

630/250V 30/9A

Technical characteristics

Specifications					
Specifications	DIN EN 60 664				
	DIN EN 61 984				
Approvals					
Electrical data				Mechanical date	
Number of contacts	6(5+PE)	8(4+3+PE)		Housing material	CuZn,Zinc(GD-Zn)
Contacts	5+PE	4	3+PE	Housing surface	Nickel-plated
ContactsΦ(mm)	2	1	2	Insulating bodies	Polyamide
mm²/AWG	0.1...4.0/28-12	0.03...1.0/32-18	0.1...4.0/28-12	Contact material	copper alloy
Rated current(25°C)	30	9	30	Contact surface	gold plated
Rated voltage	630	250	630	Terminal	Crimp version
Test voltage Urms (AC)	6kV	4kV	6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III		III	Ambient temperature	-40°C ...+130°C
Pollution degree	3		3	Connector locking system	M23screw
				Mechanical operation	> 500
				Degree of protection	IP67

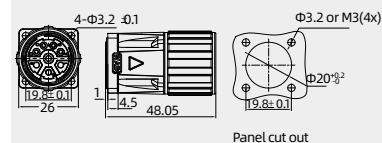
Remark: SPQ is 5pcs

Female, Crimp terminal

order crimp contacts separately



Contacts	Designation	Order No.
6(5+PE)	M23-FC06-BK26	166 006 320 1001
8(4+3+PE)	M23-FC04/4-BK26	166 008 020 1001

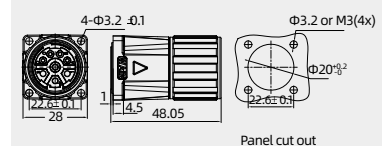


Female, Crimp terminal

order crimp contacts separately



Contacts	Designation	Order No.
6(5+PE)	M23-FC06-BK28	166 006 320 1002
8(4+3+PE)	M23-FC04/4-BK28	166 008 020 1002



Crimp contacts

Crimp contacts 9A/30A

9A



30A



Remark: SPQ is 100pcs

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	0.5-1.5	M23-FC9G-1.5	101 031 220 0901
④	0.35-2.5	M23-FC30G-2.5	101 032 220 1001
⑤	2.5-4.0	M23-FC30G-4.0	101 032 220 1201

NO.	Φa	Φb	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	1.75	-	16.7	4.9mm

NO.	marked line	Φ	Stripping Length
④	marked line	2.25	7.5mm
⑤	-	2.85	7.5mm

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.

Circular Connector M23

630/250V 30/9A

Technical characteristics



Specifications					
Specifications	DIN EN 60 664				
	DIN EN 61 984				
Approvals					
Electrical data				Mechanical date	
Number of contacts	6(5+PE)	8(4+3+PE)		Housing material	CuZn,Zinc(GD-Zn)
Contacts	5+PE	4	3+PE	Housing surface	Nickel-plated
ContactsΦ(mm)	2	1	2	Insulating bodies	Polyamide
mm²/AWG	0.1...4.0/28-12	0.03...1.0/32-18	0.1...4.0/28-12	Contact material	copper alloy
Rated current(25°C)	30	9	30	Contact surface	gold plated
Rated voltage	630	250	630	Terminal	Crimp version
Test voltage Urms (AC)	6kV	4kV	6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III		III	Ambient temperature	-40°C ...+130°C
Pollution degree	3		3	Connector locking system	M23screw
				Mechanical operation	> 500
				Degree of protection	IP67

Female, Crimp terminal

order crimp contacts separately



Contacts	Designation	Order No.
6(5+PE)	M23Q-FC06-BK26	166 006 302 2500
8(4+3+PE)	M23Q-FC04/4-BK26	166 008 320 1500

Female, Crimp terminal

order crimp contacts separately



Contacts	Designation	Order No.
6(5+PE)	M23Q-FC06-BK28	166 006 302 2501
8(4+3+PE)	M23Q-FC04/4-BK28	166 008 320 1501

Crimp contacts

Crimp contacts 9A/30A

9A



30A



Remark: SPQ is 100pcs

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	0.5-1.5	M23-FC9G-1.5	101 031 220 0901
④	0.35-2.5	M23-FC30G-2.5	101 032 220 1001
⑤	2.5-4.0	M23-FC30G-4.0	101 032 220 1201

Tools

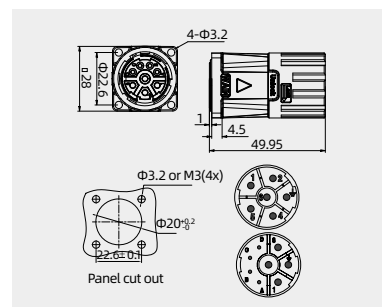
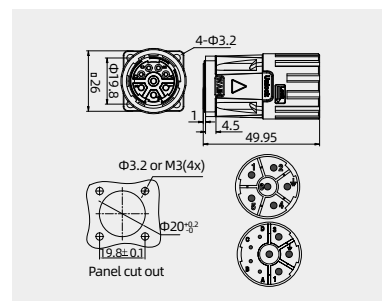
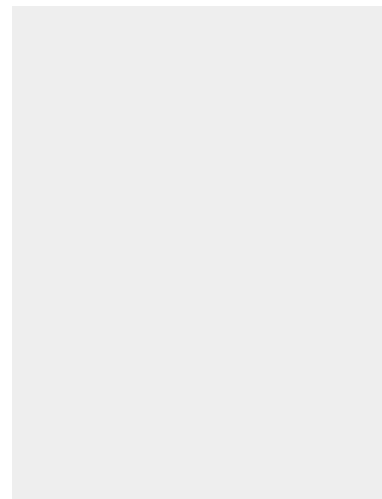
Crimping tool



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	c	Stripping Length
①	1.7	0.9	14	4mm
②	2.1	1.45	14	4mm
③	1.75	-	16.7	4.9mm

NO.	marked line	Φ	Stripping Length
④	marked line	2.25	7.5mm
⑤	-	2.85	7.5mm

Circular Connector M23

630/250V 30/9A

Technical characteristics

Specifications							
Specifications	DIN EN 60 664						
	DIN EN 61 984						
Approvals							
Electrical data				Mechanical data			
Number of contacts	6(5+PE)		8(4+3+PE)		Housing material	CuZn,Zinc(GD-Zn)	
Contacts	5+PE		4		3+PE	Housing surface	Nickel-plated
ContactsΦ(mm)	2		1		2	Insulating bodies	Polyamide
mm²/AWG	0.1...4.0/28-12		0.03...1.0/32-18		0.1...4.0/28-12	Contact material	copper alloy
Rated current(25°C)	30		9		30	Contact surface	gold plated
Rated voltage	630		250		630	Terminal	Crimp version
Test voltage Urms (AC)	6kV		4kV		6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III				III	Ambient temperature	-40°C ...+130°C
Pollution degree	3				3	Connector locking system	M23screw
						Mechanical operation	> 500
						Degree of protection	IP67

Remark: SPQ is 5pcs

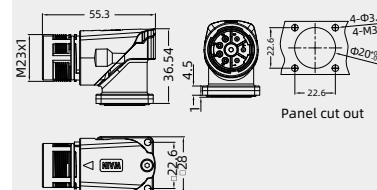
Male, Crimp terminal

order crimp contacts separately

Elbow without rotated function

Recommended use use

Contacts	Designation	Order No.
6(5+PE)	M23-MC06-BK28-SE	166 006 610 1002
8(4+3+PE)	M23-MC04/4-BK28-SE	166 008 610 1002



Crimp contacts

Crimp contacts 9A/30A



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	0.1-0.5	M23-MC30G-0.5	101 032 210 0401
④	0.35-2.5	M23-MC30G-2.5	101 032 210 1001
⑤	2.5-4.0	M23-MC30G-4.0	101 032 210 1201

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
③	1.75	-	16.7	4.9mm

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

Remark: SPQ is 3000pcs

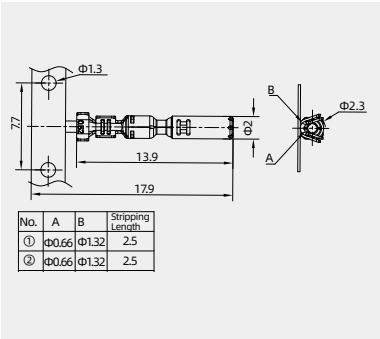
No.	Wire gauge(mm ²)	Male	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850



coil stock



Note: 10kpcs/volume



Circular Connector M23

630/250V 30/9A

Technical characteristics

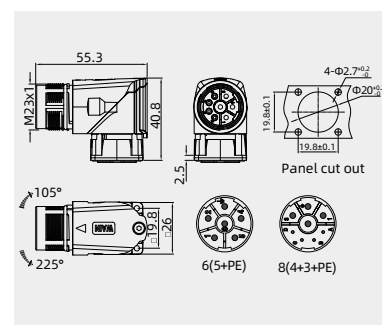
Specifications					
Specifications	DIN EN 60 664				
	DIN EN 61 984				
Approvals					
Electrical data				Mechanical date	
Number of contacts	6(5+PE)		8(4+3+PE)	Housing material	CuZn,Zinc(GD-Zn)
Contacts	5+PE	4	3+PE	Housing surface	Nickel-plated
ContactsΦ(mm)	2	1	2	Insulating bodies	Polyamide
mm²/AWG	0.1...4.0/28-12	0.03...1.0/32-18	0.1...4.0/28-12	Contact material	copper alloy
Rated current(25°C)	30	9	30	Contact surface	gold plated
Rated voltage	630	250	630	Terminal	Crimp version
Test voltage Urms (AC)	6kV	4kV	6kV	Gasket and O ring	Fluorine rubber
Overvoltage categorie	III		III	Ambient temperature	-40°C ...+130°C
Pollution degree	3		3	Connector locking system	M23screw
				Mechanical operation	> 500
				Degree of protection	IP67

Remark: SPQ is 5pcs

Male, Crimp terminal

order crimp contacts separately
Elbow with rotated function

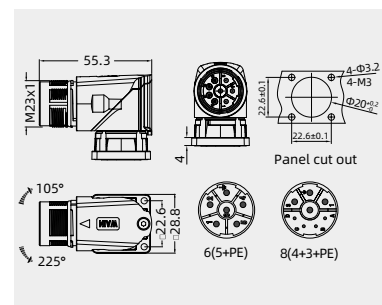
Contacts	Designation	Order No.
6(5+PE)	M23-MC06-BKP26-SE-OD2.7	166 006 610 1003
8(4+3+PE)	M23-MC04/4-BKP26-SE-OD2.7	166 008 610 1011



Male, Crimp terminal

order crimp contacts separately
Elbow with rotated function

Contacts	Designation	Order No.
6(5+PE)	M23-MC06-BKP28.8-SE	166 006 310 1003
8(4+3+PE)	M23-MC04/4-BKP28.8-SE	166 008 310 1003



Crimp contacts

Crimp contacts 9A/30A



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	0.1-0.5	M23-MC30G-0.5	101 032 210 0401
④	0.35-2.5	M23-MC30G-2.5	101 032 210 1001
⑤	2.5-4.0	M23-MC30G-4.0	101 032 210 1201

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
③	1.75	-	16.7	4.9mm

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

Remark: SPQ is 3000pcs

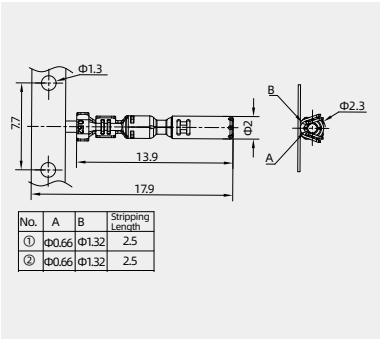
No.	Wire gauge(mm ²)	Female	Order No.
①	0.08-0.2	M23-MC9G-0.2P	101 031 210 0150
②	0.2-0.52	M23-MC9G-0.52P	101 031 210 0550
③	0.75-1.0	M23-MC9G-1.0P	101 031 210 0850



coil stock



Note: 10kpcs/volume



Accessories

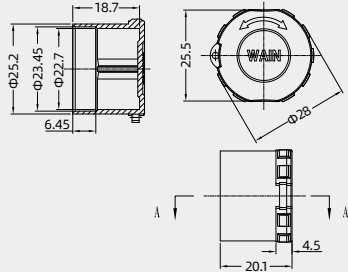
Protection cap IP67

Remark: SPQ is 10pcs

Protection covers
for male cable connector



Description	Designation	Order No.
Black	M23-CV-F	266 000 000 9001
transparent	M23-CV-F3	166 000 000 9001



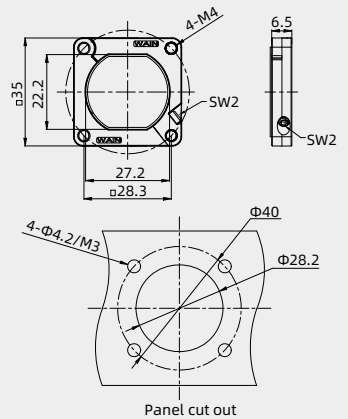
M23

Fixed plate

Remark: SPQ is 1pc



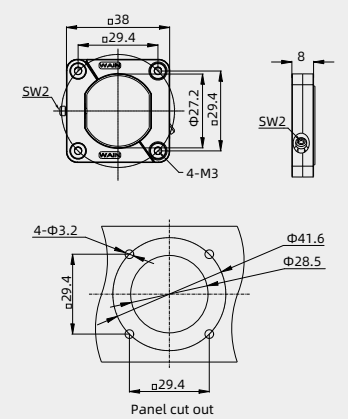
Describe	Designation	Order No.
immobilization	M23-BK35-Φ27	166 000 000 1500



Fixed plate

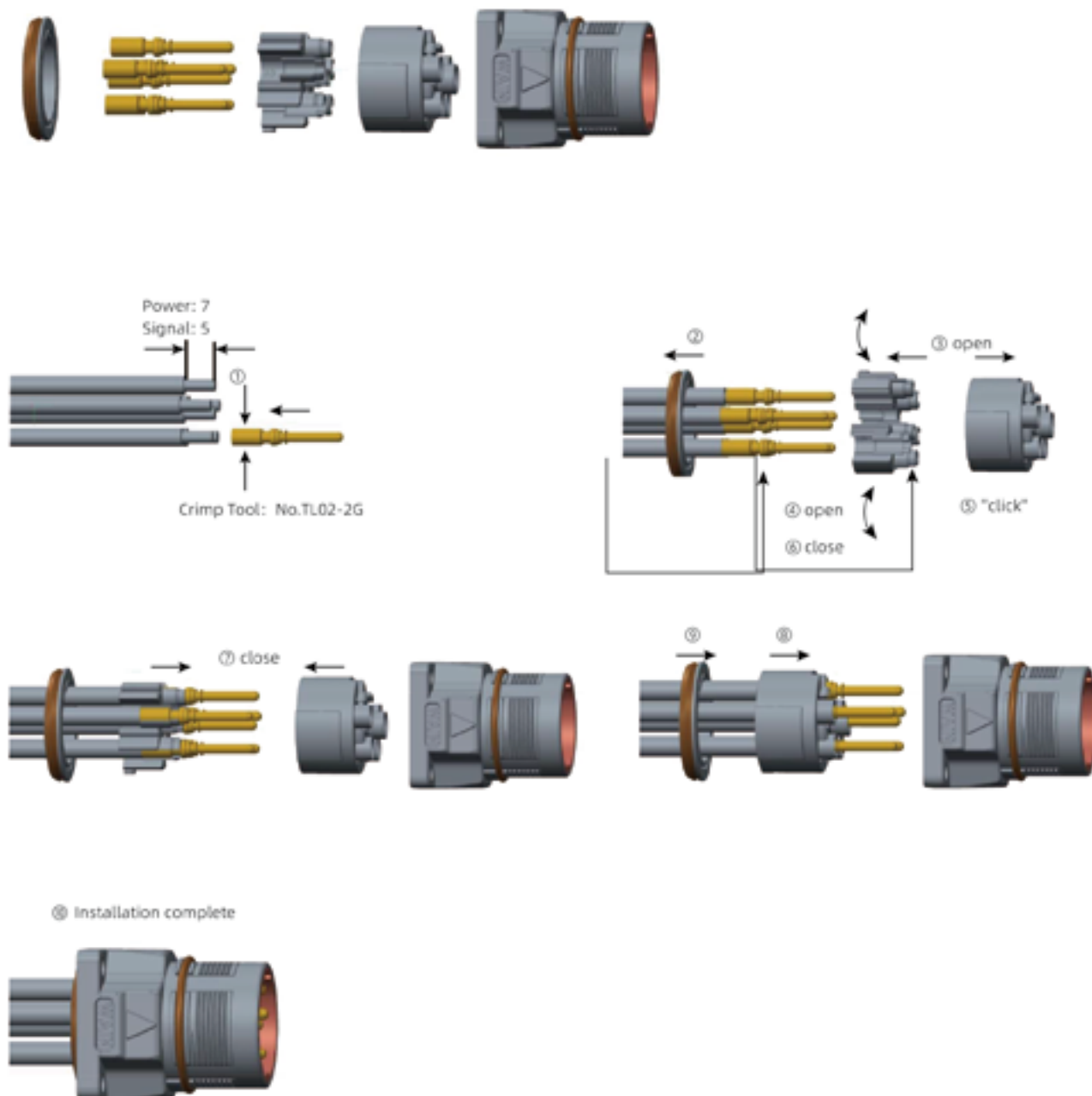


Describe	Designation	Order No.
immobilization	M23P-BK38-Φ27	166 000 000 3501



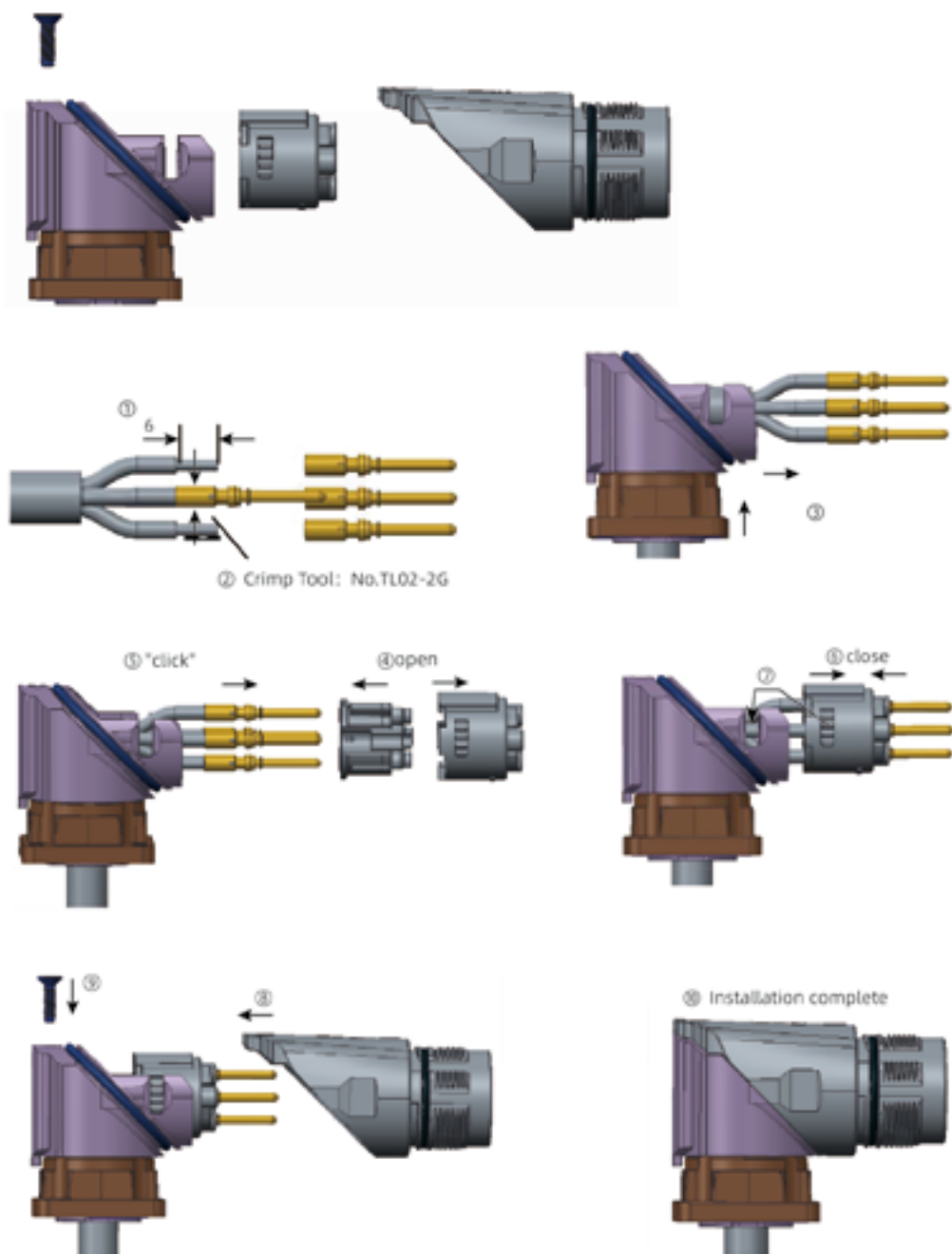
- Operating Instruction (Serie M23 Socket male)

- Installation Step



- Operating Instruction(Power Motor connector)

- Installation Step



- Operating Instruction (Serie M23 Plug female)

- Installation Step

