

50V/60V 0.5A

Technical characteristics

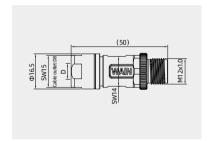
Number of contacts	8
Rated current (40°C)	0.5A
Rated voltage	50V a.c / 60V d.c
Rated impulse voltage	0.8kV
Pollution degree	3
Contact resistance	$\leq 10 \text{ m}\Omega$
Insulation resistance	≥ 100 mΩ
Connector locking system	screw M12x1
Wire gauge	0.14mm² (AWG 26)
Degree of protection	IP67
Mechanical operation	≥ 100
Limiting temperature	-40°C+85°C
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	zinc diecasting nickel plated

Straight cable connectors Remark: SPQ is 5pcs

Male cable connector, Cat.6a Order crimp contacts separately



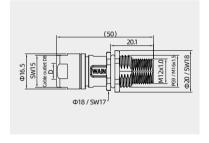
-				
(Contacts	Cable outlet	Designation	Order No.
8	3	6-8mm	M12-MC08X-T-D8-SH	163 008 010 2001



Male cable connector, Cat.6a Order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
8	6-8mm	M12-MC08X-CCT/R-M16-D8-SH	163 008 710 2001

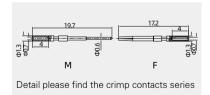


Crimp contacts

Crimp contacts 5A Contact resistance $\leq 3m\Omega$ gold plated



Remark: SPQ is 200pcs				
Wire gauge(mm²)	Male	Order No.		
0.09-0.25	M12-MC0.5G-0.25	101 038 210 0101		
Wire gauge(mm²)	Female	Order No.		
0.09-0.25	M12-FC0.5G-0.25	101 038 220 0101		



Tools



Remark: SPQ is 1pc			
Wire gauge	Designation	Order No.	
0.09-0.25mm ²	TL27	198 001 001 0037	

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

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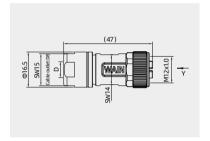
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Straight cable connectors Remark: SPQ is 5pcs

Female cable connector, Cat.6a Order crimp contacts separately



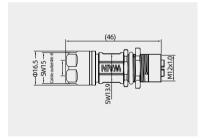
Contacts	Cable outlet	Designation	Order No.
8	6-8mm	M12-FC08X-T-D8-SH	163 008 020 0001



Female cable connector, Cat.6a Order crimp contacts separately



Contacts	Cable outlet	Designation	Order No.
8	6-8mm	M12-FC08X-CCT/R-M16-D8-SH	163 008 720 2001

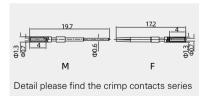


Crimp contacts

Crimp contacts 5A Contact resistance $\leq 3m\Omega$ gold plated



Remark: SPQ is 200pcs		
Wire gauge(mm²)	Male	Order No.
0.09-0.25	M12-MC0.5G-0.25	101 038 210 0101
Wire gauge(mm²)	Female	Order No.
0.09-0.25	M12-FC0.5G-0.25	101 038 220 0101



Tools



Remark: SPQ is 1pc				
Wire gauge	Designation	Order No.		
0.09-0.25mm ²	TL27	198 001 001 0037		

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Pollution degree	3
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Insulation resistance	≥ 100 mΩ
Connector locking system	screw M12x1
Wire gauge	0.14mm ² (AWG 26)
Degree of protection	IP67
Mechanical operation	≥ 100
Limiting temperature	-40°C+85°C
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	zinc diecasting nickel plated

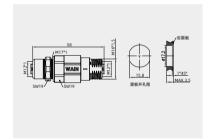
Socket

Remark: SPQ is 5pcs

Female cable connector, Cat.6a, shield



Contacts	Cable outlet	Designation	Order No.
8		M12-F08X/F08X-BKR-M17	163 008 324 2501



50V/60V 0.5A

Technical characteristics

Number of contacts	8
Rated current (40°C)	0.5A
Rated voltage	50V a.c / 60V d.c
Rated impulse voltage	0.8kV
Pollution degree	3
Contact resistance	$\leq 10 \mathrm{m}\Omega$
Insulation resistance	≥ 100 mΩ
Connector locking system	screw M12x1
Wire gauge	0.14mm² (AWG 26)
Degree of protection	IP67
Mechanical operation	≥ 100
Limiting temperature	-40°C+85°C
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	zinc diecasting nickel plated

Socket

Remark: SPQ is 1pc

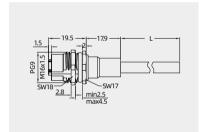
Female panel mount connector , shielded



X-Code



	Contacts	Cable length	screw	Designation	Order No.
	8	0.5m	PG9	M12-F08X-BKR-PG9-Cat.6a	163 008 302 4003
0.5m M16x		M16x1.5	M12-F08X-BKR-M16-0.5-PUR-Cat.6a	163 008 302 4005	



50V/60V 0.5A

Technical characteristics

8
0.5A
50V a.c / 60V d.c
0.8kV
3
≤ 10 mΩ
≥ 100 mΩ
screw M12x1
0.14mm² (AWG 26)
IP67
≥ 100
-40°C+85°C
copper alloy
Au
PA
zinc diecasting nickel plated

Socket

Remark: SPQ is 10pcs

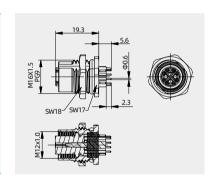
Female panel mount connector , shielded



X-Code



Contacts	Cable length	screw	Designation	Order No.
3	0.5m	M16x1.5	M12-F08X-BKR-M16-D	163 008 324 1004



50V/60V 0.5A

Technical characteristics

8
0.5A
50V a.c / 60V d.c
0.8kV
3
≤ 10 mΩ
≥ 100 mΩ
screw M12x1
0.14mm² (AWG 26)
IP67
≥ 100
-40°C+85°C
copper alloy
Au
PA PA
zinc diecasting nickel plated
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Socket

Remark: SPQ is 1pc

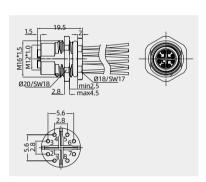
Female panel mount connector , shielded



X-Code



Contacts	Cable length	screw	Designation	Order No.
8	0.5m	M16x1.5	M12-F08X-BKR-M16-W0.14	163 008 302 4006



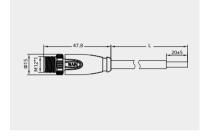
50V/60V 0.5A

Technical characteristics

Number of contacts	8
Rated current (40°C)	0.5A
Rated voltage	50V a.c / 60V d.c
Rated impulse voltage	0.8kV
Pollution degree	3
Contact resistance	≤ 10 mΩ
Insulation resistance	≥ 100 mΩ
Connector locking system	screw M12x1
Wire gauge	0.14mm² (AWG 26)
Degree of protection	IP67
Mechanical operation	≥ 100
Limiting temperature	-40°C+85°C
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	zinc diecasting nickel plated

Straight cable connectors, cable Remark: SPQ is 1pc

Male cable connector				
	Contacts	Cable length	Designation	Order No.
	8	1.5 m	M12-M08X-T-1.5-PUR-Cat.6a	163 008 401 4001
100		5.0 m	M12-M08X-T-5.0-PUR-Cat.6a	163 008 401 4002
X-Code				
6 4 9 7 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9				



50V/60V 0.5A

Technical characteristics

Number of contacts	8
Rated current (40°C)	0.5A
Rated voltage	50V a.c / 60V d.c
Rated impulse voltage	0.8kV
Pollution degree	3
Contact resistance	≤ 10 mΩ
Insulation resistance	≥ 100 mΩ
Connector locking system	screw M12x1
Wire gauge	0.14mm² (AWG 26)
Degree of protection	IP67
Mechanical operation	≥ 100
Limiting temperature	-40°C+85°C
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	zinc diecasting nickel plated

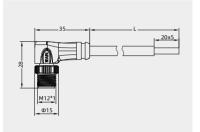
Angled cable connectors

Remark: SPQ is 1pc

Male cable connector



Order No. Contacts Cable length Designation 163 008 501 4001 M12-M08X-S-1.5-PUR-Cat.6a 8 1.5 m 163 008 501 4002 5.0 m M12-M08X-S-5.0-PUR-Cat.6a



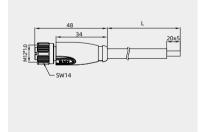
X-Code



Male cable connector



Contacts Cable length Designation Order No. 1.5 m M12-F08X-T-1.5-PUR-Cat.6a 163 008 402 4541 8 5.0 m M12-F08X-T-5.0-PUR-Cat.6a 163 008 402 4542



X-Code

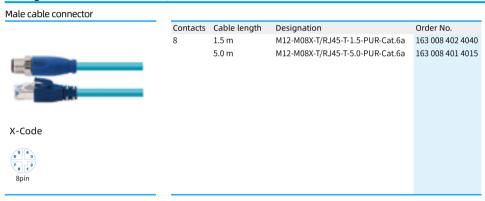


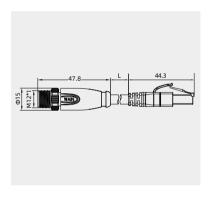
50V/60V 0.5A

Technical characteristics

Number of contacts	8
Rated current (40°C)	0.5A
Rated voltage	50V a.c / 60V d.c
Rated impulse voltage	0.8kV
Pollution degree	3
Contact resistance	≤ 10 mΩ
Insulation resistance	≥ 100 mΩ
Connector locking system	screw M12x1
Wire gauge	0.14mm ² (AWG 26)
Degree of protection	IP67
Mechanical operation	≥ 100
Limiting temperature	-40°C+85°C
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	zinc diecasting nickel plated

Straight cable connectors, cable Remark: SPQ is 1pc





50V/60V 0.5A

Technical characteristics

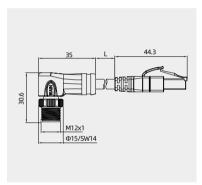
Number of contacts	8
Rated current (40°C)	0.5A
Rated voltage	50V a.c / 60V d.c
Rated impulse voltage	0.8kV
Pollution degree	3
Contact resistance	≤ 10 mΩ
Insulation resistance	≥ 100 mΩ
Connector locking system	screw M12x1
Wire gauge	0.14mm² (AWG 26)
Degree of protection	IP67
Mechanical operation	≥ 100
Limiting temperature	-40°C+85°C
Material of contact	copper alloy
Contact plating	Au
Insulating material	PA
Material of housing	zinc diecasting nickel plated

Angled cable connectors Remark: SPQ is 1pc

Male cable connector



Contacts Cable length Order No. Designation 163 008 001 4002 1.5 m M12-M08X-S/RJ45-T-1.5-PUR-Cat.6a 8 M12-M08X-S/RJ45-T-5.0-PUR-Cat.6a 163 008 001 4003 5.0 m



X-Code



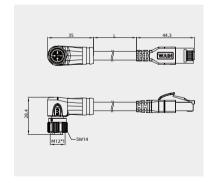
Male cable connector

Contacts	Cable length	Designation	Order No.
8	1.5 m	M12-F08X-S/RJ45-T-1.5-PUR-Cat.6a	163 008 402 4543
	5.0 m	M12 EOOV C/DIAE T E O DUD Cat Ga	162 000 402 4544





communicis	cable terrigari	D congridation.	0.40.
8	1.5 m	M12-F08X-S/RJ45-T-1.5-PUR-Cat.6a	163 008 402 4543
	5.0 m	M12-F08X-S/RJ45-T-5.0-PUR-Cat.6a	163 008 402 4544



Accessories

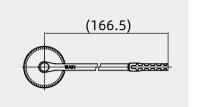
Protection cap IP67

Protection cover

for male cable connector



Remark: SPQ is Topcs		
Description	Designation	Order No.
Without cord	M12-MCV	163 000 001 9003
With cord	M12-MCV/1	163 000 001 9001



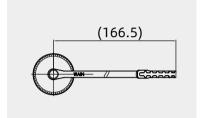
Protection cover

for female cable connector



Remark: SPQ is 10pcs

Description	Designation	Order No.
Without cord	M12-FCV	163 000 002 9003
With cord	M12-FCV/1	163 000 002 9001

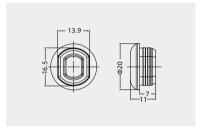


Protection covers, for flange mount panel



Remark: SPQ is 10pcs

Description	Designation	Order No.
Dust-proof	M12-WNPP-M16/BK	163 000 000 9001



Contact arrangements

• Contact arrangements

• Male insert (mating side)

• Female insert (mating side)

8 contacts

8 contacts



	Χ	Υ
1	1.40	-2.80
2	0.00	-1.40
3	2.80	1.40
4	1.40	2.80
5	-1.40	2.80
6	2.80	1.40
7	-2.80	-1.40
8	-1.40	-2.80

	Χ	Υ	568A
	1.40	-2.80	1 white/gre
	0.00	-1.40	2 green
	2.80	1.40	3 white/Ora
	1.40	2.80	4 Orange
	-1.40	2.80	5 white/bro
	2.80	1.40	6 brown 7 white/blu
Ī	-2.80	-1.40	8 blue
	-1.40	-2.80	o stac

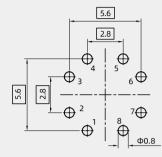
58A	568B
white/green green white/Orange Drange white/brown prown white/blue blue	1 white/Orange 2 Orange 3 white/green 4 green 5 white/brown 6 brown 7 white/blue 8 blue



		.,
	Χ	Υ
1	-1.40	-2.80
2	-2.80	-1.40
3	-2.80	1.40
4	-1.40	2.80
5	1.40	2.80
6	2.80	1.40
7	2.80	-1.40
8	1.40	-2.80

568A	568B
1 white/green	1white/Orange
2 green	2 Orange
3 white/Orange	3 white/green
4 Orange	4 green
5 white/brown	5 white/brown
6 brown	6 brown
7 white/blue	7 white/blue
8 blue	8 blue

8 contacts



- Panel mount connectors
 - Through-hole mounting
- Screw mounting

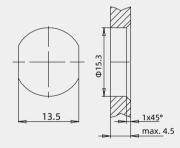


	А	В	С
PG9	PG9	16.2	15.3
PG13.5	PG13.5	21.5	20.5
M16x1.5	M16x1.5	17.0	16.1
M20x1.5	M20x1.5	21.0	20.1

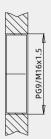
Tightening torque according to DIN VDE 0619 Metal housing 6,25 Nm Plastic housing 3,75 Nm

Panel mount connectors Rear panel mounting, front tighten

• Through-hole mounting



• Panel mount connectors front tighten



Tightening torque 6,25 Nm

Assembly instruction

M12-MC08X-T-D8-SH

M12-FC08X-T-D8-SH

M12-MC08X-CCT/R-M16-D8-SH

M12-FC08X-CCT/R-M16-D8-SH)

• Installation Step

