

Circular Connector M23

630/250V 30/9A

Technical characteristics

Specifications

Specifications	DIN EN 60 664
	DIN EN 61 984

Approvals

Electrical data

Number of contacts	6(5+PE)	8(4+3+PE)	9(5+3+PE)
Contacts	5+PE	4	3+PE
ContactsΦ(mm)	2	1	2
mm ² /AWG	0.35...4.0/22-12	0.03...1.5/32-16	0.35...4.0/22-12
Rated current(25°C)	30	9	30
Rated voltage	630	250	630
Test voltage Urms (AC)	6kV	4kV	6kV
Overvoltage categorie	III	III	III
Pollution degree	3	3	3

Mechanical data

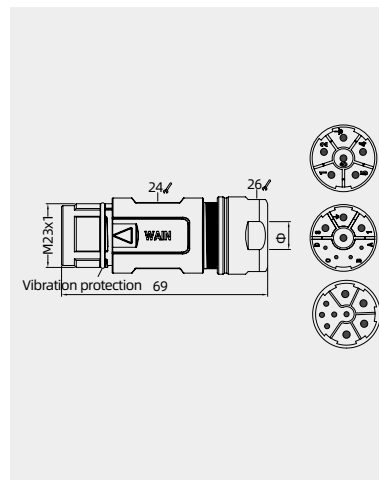
Housing material	CuZn,Zinc(GD-Zn)
Housing surface	Nickel-plated
Insulating bodies	Polyamide
Contact material	copper alloy
Contact surface	gold plated
Terminal	Crimp version
Gasket and O ring	Fluorine rubber
Ambient temperature	-40°C ...+130°C
Cable outlet	4.2-17mm shielded
Connector locking system	M23screw
Mechanical operation	> 500
Degree of protection	IP67

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
(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



Crimp contacts

Crimp contacts 9A/30A

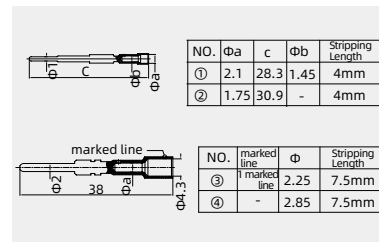
9A



30A



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



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.