

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	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



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



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.