

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.
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



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



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.

