

MR23 Circular power connectors



MR23 Circular connector

160V- 7A

Technical characteristics

Specifications	DIN EN 60 664
	DIN EN 61 984

Electrical data		Mechanical data	
Number of contacts	12 17	Housing material	Copper alloy
Rated current	7A 7A	Housing surface	Nickel - plated
mm ² / AWG	(0.03 - 1.0 mm ² / AWG 32 - 16)	Contact resistance	5 m
Rated current	160 V 160 V	Insulating bodies	PBT
Test voltage Urms	2.5 kV 2.0 kV	Contact material	Copper alloy
Pollution degree	3 3	Contact surface	Hard - gold plated
Flammability acc. to UL 94	V0 (UL94) V0 (UL94)	Mechanical working life	>500
Surge voltage category	III III	degree of protection	IP67
		Temperature range	- 40 ...+130

Forward coding,Crimp terminal

order crimp contacts separately



NEW

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

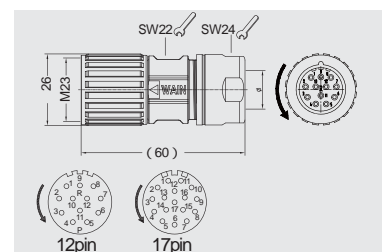
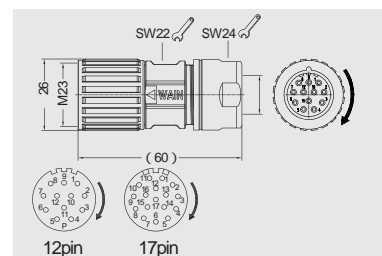
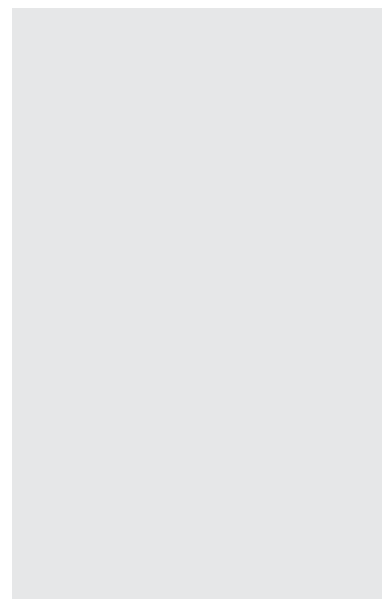
Reverse coding,Crimp terminal

order crimp contacts separately



NEW

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



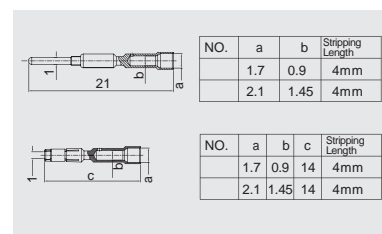
Crimp contacts

Crimp contacts 9A

9A



NO.	Wire gauge(mm ²)	Male	Order No.
	0.03 - 0.34	M23 - MC9G - 0.34	101 031 210 2501
	0.14 - 1.0	M23 - MC9G - 1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
	0.03 - 0.34	M23 - FC9G - 0.34	101 031 220 2501
	0.14 - 1.0	M23 - FC9G - 1.0	101 031 220 0801



Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14 - 6 mm ²	TL02 - 2G	198 001 001 0014

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160V- 7A

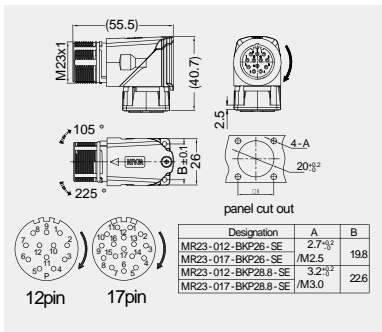
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984	
Electrical data	Mechanical data	
Number of contacts	12	17
Rated current	7A	7A
mm ² / AWG	(0.03 - 1.0 mm ² / AWG 32 - 16)	
Rated current	160 V	160 V
Test voltage Urms	2.5 kV	2.0 kV
Pollution degree	3	3
Flammability acc. to UL94	V0 (UL94)	V0 (UL94)
Surge voltage category	III	III
Housing material	Copper alloy	
Housing surface	Nickel - plated	
Contact resistance	5 m	
Insulating bodies	PBT	
Contact material	Copper alloy	
Contact surface	Hard - gold plated	
Mechanical working life	>500	
degree of protection	IP67	
Temperature range	-40 ...+130	

Forward coding,Crimp terminal
order crimp contacts separately



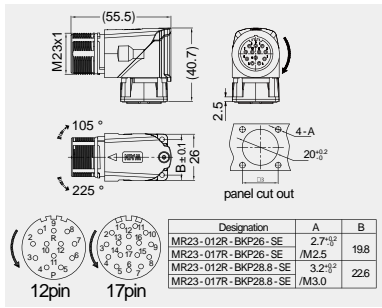
Contacts	Designation	Order No.
12	MR23 -012 -BKP26 -SE	181 012 600 3001
17	MR23 -017 -BKP26 -SE	181 017 600 2003
12	MR23 -012 -BKP28.8 -SE	181 012 600 2001
17	MR23 -017 -BKP28.8 -SE	181 017 600 2001



Reverse coding,Crimp terminal
order crimp contacts separately



Contacts	Designation	Order No.
12	MR23 -012R -BKP26 -SE	181 012 600 3002
17	MR23 -017R -BKP26 -SE	181 017 600 2004
12	MR23 -012R -BKP28.8 -SE	181 012 600 2002
17	MR23 -017R -BKP28.8 -SE	181 017 600 2002



MR23

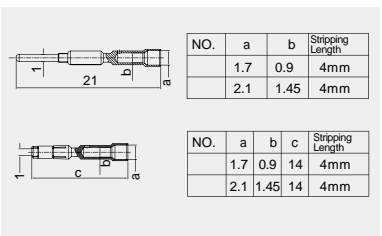
Crimp contacts

Crimp contacts 9A

9A



NO.	Wire gauge(mm ²)	Male	Order No.
	0.03 - 0.34	M23 - MC9G - 0.34	101 031 210 2501
	0.14 - 1.0	M23 - MC9G - 1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
	0.03 - 0.34	M23 - FC9G - 0.34	101 031 220 2501
	0.14 - 1.0	M23 - FC9G - 1.0	101 031 220 0801



Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14 - 6 mm ²	TL02 - 2G	198 001 001 0014

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mm ² / AWG	(0.03 - 1.0 mm ² / AWG 32 - 16)	Contact resistance	5 m
Rated current	160 V 160 V	Insulating bodies	PBT
Test voltage Urms	2.5 kV 2.0 kV	Contact material	Copper alloy
Pollution degree	3 3	Contact surface	Hard - gold plated
Flammability acc. to UL 94	V0 (UL94) V0 (UL94)	Mechanical working life	>500
Surge voltage category	III III	degree of protection	IP67
		Temperature range	- 40 ...+130

Forward coding,Crimp terminal

order crimp contacts separately



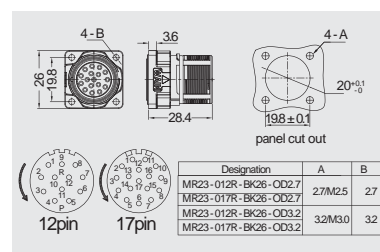
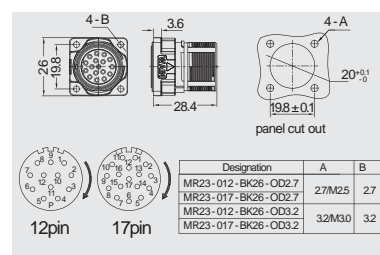
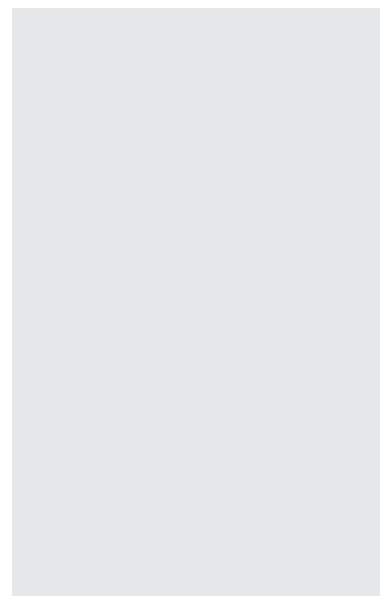
Contacts	Designation	Order No.
12	MR23-012-BK26-OD2.7	181 012 300 2001
17	MR23-017-BK26-OD2.7	181 017 300 2001
12	MR23-012-BK26-OD3.2	181 012 300 3001
17	MR23-017-BK26-OD3.2	181 017 300 3001

Reverse coding,Crimp terminal

order crimp contacts separately



Contacts	Designation	Order No.
12	MR23-012R-BK26-OD2.7	181 012 300 2002
17	MR23-017R-BK26-OD2.7	181 017 300 2002
12	MR23-012R-BK26-OD3.2	181 012 300 3002
17	MR23-017R-BK26-OD3.2	181 017 300 2003



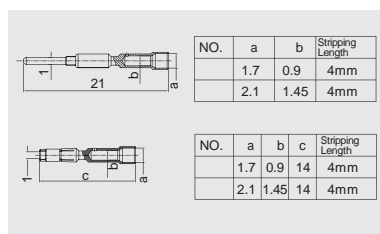
Crimp contacts

Crimp contacts 9A

9A



NO.	Wire gauge(mm ²)	Male	Order No.
	0.03 - 0.34	M23 - MC9G - 0.34	101 031 210 2501
	0.14 - 1.0	M23 - MC9G - 1.0	101 031 210 0801
NO.	Wire gauge(mm ²)	Female	Order No.
	0.03 - 0.34	M23 - FC9G - 0.34	101 031 220 2501
	0.14 - 1.0	M23 - FC9G - 1.0	101 031 220 0801



Tools

Crimping tool



Wire gauge	Designation	Order No.
0.14 - 6 mm ²	TL02-2G	198 001 001 0014

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