Circular Connector M40

250/630V 20/63A

Technical characteristics

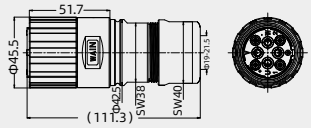
Specifications	
Specifications	DIN EN 60 664 DIN EN 61 984
Approvals	
Electrical data	
Number of contacts	4/4
Electrical properties	
-Rated current	63A (power)
	20A (signal)
-Rated voltage	630V (power)
	250V (signal)
-Rated impulse voltage	6000V (power)
	4000V (signal)
-Contact resistance	ϕ3.6(power): ≤ 1 mΩ
	ϕ2 (signal): ≤ 3 mΩ
Material and finish	
-Housing material	copper alloyNickel-plated、zinc alloyNickel-plated
-contact	copper alloygold plated
-Insulating material	PA
-Sealing element	FKM

Machanical properties	
-Mechanical working life	≥ 500 次
-Lock mode	Thread locking
-Cable and outlet diameter	ϕ19-21.5
Environmental performance	
-Limiting temperature	-40°C ...+130°C
-Degree of protection	IP67
-Pollution degree	3

Crimp terminal

order crimp contacts separately

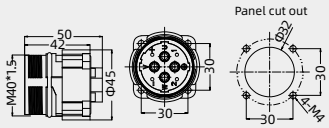
Insert	Designation	Order No.
Female	M40-FC04/4-T-D21.5-SH	170 008 420 2001



Crimp terminal

order crimp contacts separately

Insert	Designation	Order No.
Male	M40-MC04/4-BK	170 008 310 1001



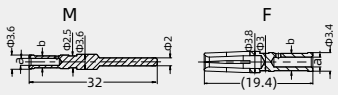
Accessories

Crimp contacts

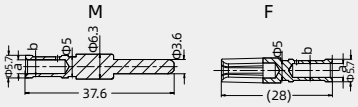
signal

power

NO.	Male	Order No.	Female	Order No.
①	M40-AMC30G-1.0	101 032 210 0811	M40-AFC30G-1.0	101 032 220 0811
②	M40-AMC30G-1.5	101 032 210 0911	M40-AFC30G-1.5	101 032 220 0911
③	M40-AMC30G-2.5	101 032 210 1011	M40-AFC30G-2.5	101 032 220 1011
④	M40-AMC75G-4	101 024 210 1201	M40-AFC75G-4	101 024 220 1201
⑤	M40-AMC75G-6	101 024 210 1301	M40-AFC75G-6	101 024 220 1301
⑥	M40-AMC75G-10	101 024 210 1401	M40-AFC75G-10	101 024 220 1401



NO.	wire gauge	Stripping Length	a	b
①	1 mm²	7 mm	Φ1.45	Φ2.6
②	1.5 mm²	7 mm	Φ1.75	Φ3/Φ3.1
③	2.5 mm²	7 mm	Φ2.25	Φ3.4



NO.	wire gauge	Stripping Length	a	b
④	4 mm²	10 mm	Φ2.85	Φ3..9
⑤	6 mm²	10 mm	Φ3.5	Φ5
⑥	10 mm²	10 mm	Φ4.5	Φ5.7

Tools

Crimping tool

Wire gauge	Designation	Order No.
0.14-4mm²	TL28-2	198 001 001 0039
1.5-10mm²	TL28-3	198 001 001 0040

Contact removal tool

Application	Designation	Order No.
for crimp contacts 75A	M40-TL01	198 001 000 0027
for crimp contacts 30A	M40-TL02	198 001 000 0028

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