

Circular Connector M40

250/630V 20/63A

Technical characteristics

Specifications			
Specifications	DIN EN 60 664		
	DIN EN 61 984		
Approvals			
Electrical data		Mechanical properties	
Number of contacts	4/4	-Mechanical working life	≥ 500 次
Electrical properties	-Rated current	-Lock mode	Thread locking
	63A (power)	-Cable and outlet diameter	φ19-21.5
	20A (signal)	Environmental performance	
	-Rated voltage	-Limiting temperature	-40°C ...+130°C
	630V (power)	-Degree of protection	IP67
	250V (signal)	-Pollution degree	3
	-Rated impulse voltage		
	6000V (power)		
	4000V (signal)		
	-Contact resistance		
	φ3.6(power): ≤ 1 mΩ		
Material and finish			
	-Housing material	copper alloyNickel-plated, zinc alloyNickel-plated	
	-contact	copper alloygold plated	
		-Insulating material	
		PA	
		-Sealing element	
		FKM	

Crimp terminal

order crimp contacts separately
Stationary type, Elbow without rotated function



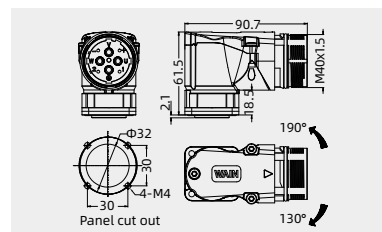
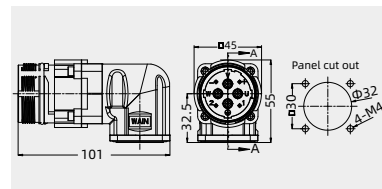
Insert	Designation	Order No.
Male	M40-MC04/4-BK-SE	170 008 610 1001

Crimp terminal

order crimp contacts separately
Rotation type
After fixing, the angle can be rotated up to 320°.



Insert	Designation	Order No.
Male	M40-MC04/4-BKP-SE	170 008 610 1011



Accessories

Crimp contacts

signal



power



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

Tools

Crimping tool



Contact removal tool



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

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

for crimp contacts 30A	M40-TL02	198 001 000 0028
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NO.	wire gauge	Stripping Length	a	b
①	1 mm ²	7 mm	Φ1.45	Φ2.6
②	1.5 mm ²	7 mm	Φ1.75	Φ3/Φ3.1
③	2.5 mm ²	7 mm	Φ2.25	Φ3.4

NO.	wire gauge	Stripping Length	a	b
④	4 mm ²	10 mm	Φ2.85	Φ3.9
⑤	6 mm ²	10 mm	Φ3.5	Φ5
⑥	10 mm ²	10 mm	Φ4.5	Φ5.7

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