

Overview

Circular Connectors

M16 acc. to IEC 61076-2-106

Series 03

Circular connectors
with threaded joint
M16

for IP40/IP68

Wide range of types, with or without shielding. Compatible system according to IEC 60130-9 resp. IEC 61076-2-106, SWUM™ parts even sealed when unmated, many types acc. to AISG specification. For signal and load currents up to 5 A.

Number of poles

Housing

■ Insulating body:
PA GF, V-0 according to UL94
(...-2, PA, V-2 according to UL94)

■ Contact:
gold-plated/flash gold-plated

■ Connectable wire section:
3–8 poles 0.75 mm²
12–14 poles 0.25 mm²

■ Rated current:
3–8 poles 5 A
12–14 poles 3 A

■ Rated voltage according to pin configuration¹:
3–8 poles 300/100 V AC
12–14 poles 160 V AC

Number of poles

Housing

* SWUM™: Sealed when unmated, watertight in unmated condition. AISG: Product according to AISG specifications, pin configuration 05-3 according to C485.

¹ At pollution degree 1, according to IEC 60664.



SV... · KV...

IP40

Plugs and sockets with threaded joint, straight

with solder terminals
SV plug, up to cable-Ø 6 mm
SV...-8 plug, up to cable-Ø 8 mm
KV socket, up to cable-Ø 6 mm
KV...-8 socket, up to cable-Ø 8 mm

empty housing for crimp contacts
SV...C plug, up to cable-Ø 6 mm
SV...-8 C plug, up to cable-Ø 8 mm
KV...C socket, up to cable-Ø 6 mm
KV...-8 C socket, up to cable-Ø 8 mm

mating
plugs with K..., WKV
sockets with S..., WSV



WSV · WKV

IP40

Plugs and sockets with threaded joint, angular

with solder terminals
WSV plug, up to cable-Ø 6 mm
WKV socket, up to cable-Ø 6 mm

empty housing for crimp contacts
WSV...C plug, up to cable-Ø 6 mm
WKV...C socket, up to cable-Ø 6 mm

mating
plugs with 0330..., K..., WKV
sockets with 0320..., S..., WSV



SF... · SG...

IP40

Chassis plugs with threaded joint

with solder terminals
SFV for front mounting
SGV for rear mounting

empty housing for crimp contacts
SFV...C for front mounting
SGV...C for rear mounting

for circuit boards
SGR for rear mounting

mating
with sockets KF..., KG..., KV..., WKV



KF... · KG...

IP40

Chassis sockets with threaded joint

with solder terminals
KFV for front mounting
KGV for rear mounting

empty housing for crimp contacts
KFV...C for front mounting
KGV...C for rear mounting

for circuit boards
KFR for front mounting
KGR for rear mounting

mating
with plugs SF..., SG..., SV..., WSV



030398

IP40

Chassis sockets with threaded joint and ground contact, for rear mounting

030398

mating
with plugs SF..., SG..., SV..., WSV



032... · 033...

IP68

Plugs and sockets with threaded joint, unshielded, up to cable-Ø 8 mm

with solder terminals
0331 plug
0321 socket

mating
with plugs 030..., 032..., 036...
with sockets 031..., 033..., 036...



032... · 033... · 036...

IP68

Plugs and sockets with threaded joint, shielded, up to cable-Ø 8 mm

with solder terminals
0332(-1*) plug 360°
0322(-1*) socket 360°

empty housing for crimp contacts
0365* plug 360°
0360* socket 360°

mating
with plugs 030..., 032..., 036...
with sockets 031..., 033..., 036...



032... · 033...

Plugs and sockets with threaded joint, with vibration optimized assembly to cable-Ø 10 mm

with solder terminals
033200* plug 360°
032200* socket 360°

empty housing for crimp contacts
036500* plug 360°
036000* socket 360°

mating
with plugs 030..., 032..., 036...
with sockets 031...

3-12 (crimp versions ...C 3-8)		
CuZn, nickel-plated	PC	Zn diecast, pre-copper and nickel-plated

6

CuZn, nickel-plated



0306...

IP68

Chassis sockets with threaded joint, for printed circuit boards, for front mounting

0306
0306-1 AISG*
0306-2 SWUM™, AISG*

mating
with plugs 033..., 0365...



0307...

IP68

Chassis sockets with threaded joint, for printed circuit boards, for rear mounting

0307
0307-1 AISG*
0307-2 SWUM™, AISG*
030799-2 with hexagonal nut, SWUM™, AISG*

mating
with plugs 033..., 0365...



030798...

IP68

Chassis sockets with threaded joint and ground contact, for printed circuit boards, for rear mounting

030798-1 AISG*
030798-2 SWUM™, AISG*

mating
with plugs 033..., 0365...



0318...

IP68

Flange chassis plugs with threaded joint, with solder terminals, for front mounting

0318
0318-1 AISG*
0318-2 SWUM™, AISG*

mating
with sockets 032..., 0360...



0308...

IP68

Flange chassis sockets with threaded joint, with solder terminals, for front mounting

0308
0308-1 AISG*
0308-2 SWUM™, AISG*

for crimp contacts
036297 AISG*

mating
with plugs 033..., 0365...



0369 V109 · 0364 V109

Crimp contacts, gold-plated, connectable wire sections 0.25–0.75 mm² (AWG 23–18)

0369 V109 pin, for plug housings

0364 V109 bush, for socket housings

CuSn, gold-plated



038...

IP68

Protecting caps and shielding ring

protective caps, metal
0383 with chain, for plugs
038399 without chain, for plugs
0381 with chain, for sockets
038199 without chain, for sockets

protective caps, plastic
038899 without chain, for plugs
038799 without chain, for sockets

shielding ring
0382

CuZn, nickel-plated/PC



038... · 0322 C

Gaskets and nuts

nuts
0384 hexagonal nut
0385 slit nut

flat gaskets
0308 C 02 flat gasket
receptacles
0322 C 16 spare parts

CuZn, pre-nickel

 <div>• 036...<div>IP68</div></div>	 <div>0314...<div>IP68</div></div>	 <div>0315...<div>IP68</div></div>	 <div>0316...<div>IP68</div></div>	 <div>0317...<div>IP68</div></div>	 <div>031798...<div>IP68</div></div>	 <div>0304...<div>IP68</div></div>	 <div>0305...<div>IP68</div></div>	 <div>0362 · 0363<div>IP68</div></div>
ts with threaded tion protection, bly, shielded, up m	Chassis plugs with threaded joint and with solder terminals, for front mounting	Chassis plugs with threaded joint and with solder terminals, for re- ar mounting	Chassis plugs with threaded joint, for printed circuit boards, for front mounting	Chassis plugs with threaded joint, for printed circuit boards, for re- ar mounting	Chassis plugs with threaded joint and ground contact, for printed circuit boards, for rear mounting	Chassis sockets with threaded joint and with solder terminals, for front mounting	Chassis sockets with threaded joint and with solder terminals, for rear mounting	Chassis sockets with threaded joint, for crimp contacts
inals 60° 360°	0314 0314-1 AISG* 0314-2 SWUM™, AISG*	0315 0315-1 AISG* 0315-2 SWUM™, AISG*	0316 0316-1 AISG* 0316-2 SWUM™, AISG*	0317 0317-1 AISG* 0317-2 SWUM™, AISG* 031799-2 with hexagonal nut, SWUM™, AISG*	031798-1 AISG* 031798-2 SWUM™, AISG*	0304 0304-1 AISG* 0304-2 SWUM™, AISG*	0305 0305-1 AISG* 0305-2 SWUM™, AISG*	0362 AISG*, for front mounting 0363 AISG*, for rear mounting
for crimp contacts 60° 360°								
, 032..., 036... ..., 033..., 036...	mating with sockets 032..., 0360...	mating with sockets 032..., 0360...	mating with sockets 032..., 0360...	mating with sockets 032..., 0360...	mating with sockets 032..., 0360...	mating with plugs 033..., 0365...	mating with plugs 033..., 0365...	mating with plugs 033..., 0365...

3-14 (**03...-1**, **03...-2** and **036...** pin configurations 05-3, 06-1 and 08-1 only)

Zn diecast, pre-copper and nickel-plated

 <div>0316 · 0308 C02</div>	 <div>0380 · ZMS 20</div>
s	Wrench for plugs and sockets
l nut	0380 wrench for plugs and so- ckets 032..., 033...
gasket for flange e part flat gasket	ZMS 20 wrench for chassis plugs and chassis sockets 030..., 031..., KFR, KfV, KGR, KGV, SFV, SGR, SGV
el and tin-plated	

Series 01

Miniatur and DIN circular connectors

for IP40/IP68 see series 03





Circular DIN connectors according
to IEC 60130-9 resp. IEC 61076-2-
106. Easy mounting, large variety,
compatible systems. For signal
and low load currents up to 4 A.

Number of poles

Contact plating

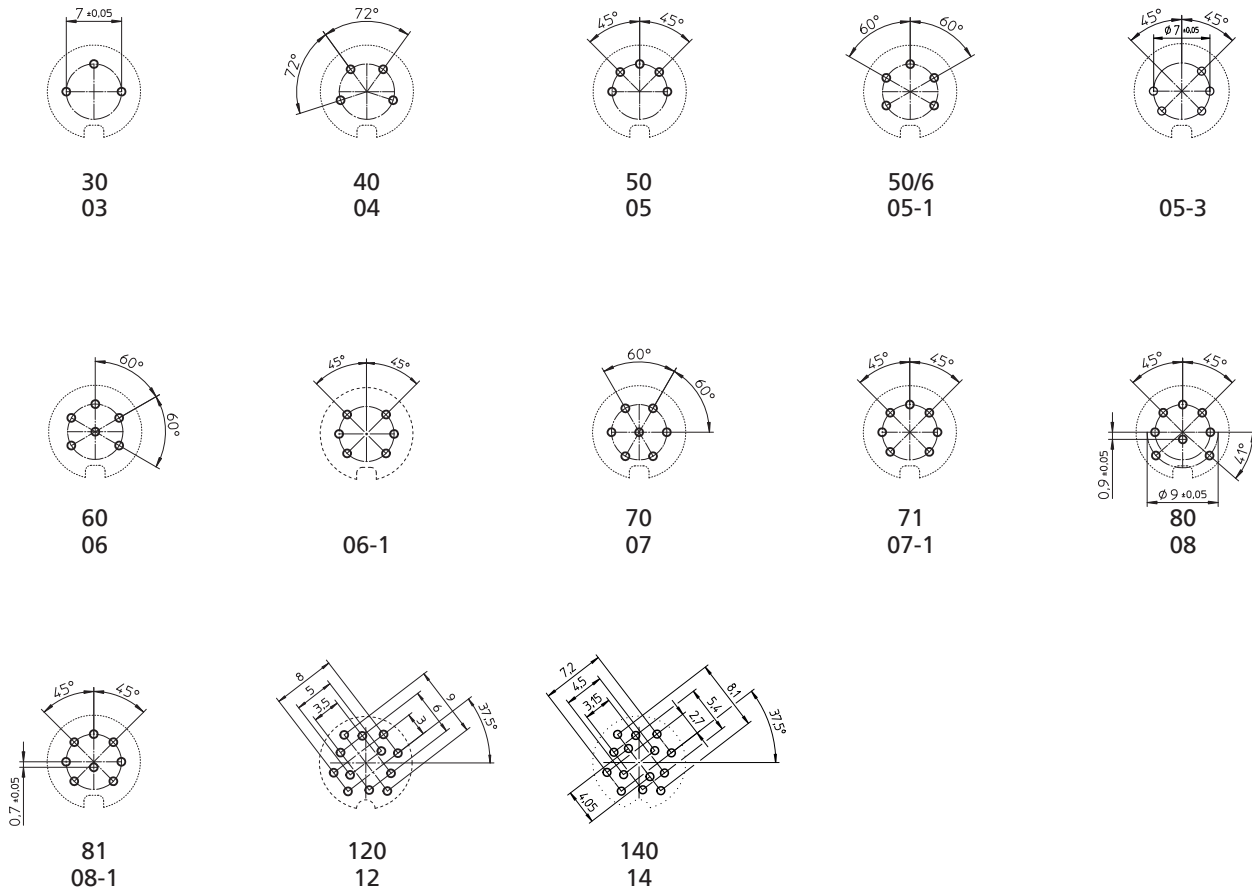
Rated current

Rated voltage

			
MP-371 · MJ-372 · TM 0508 A	0131 · 0121 · 0105	0137 · 0103	0132 · 0134 · 0122 · 0107
Miniatur circular connectors (with bend protection and solder connection) and miniature chassis socket (for printed circuit boards)	Circular DIN connectors, shielded (with bend protection and solder connection) and circular DIN chassis sockets (for printed circuit boards)	Circular DIN connector, shielded, with locking latch (with bend protection and solder connection) and circular DIN chassis socket (with solder connection)	Circular DIN connectors, shielded, with bayonet locking (with bend protection and solder connection) and circular DIN chassis socket (with solder connection)
MP-371 plug MJ-372 socket TM 0508 A chassis socket	0131 plug 0121 socket 0105 chassis socket	0137 plug 0103 chassis socket	0132 plug, straight 0134 plug, angular 0122 socket 0107 chassis socket
4, 6, 8 (TM 0508 A 4, 6-8)	3-8 (0105 5, 6, 8)	3-8 (0107 , 0134 3-5, 7-8)	
silver-plated (TM 0508 A silver-, nickel- and tin-plated, 0105... tin-plated)			
1 A	4 A		
100 V AC (0105... 24 V AC)		60 V AC	

Printed Circuit Board Layout for Chassis Connectors*

The drawing applies for the male connector, solder side view.



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