

M12 Power L-coded 5pol. male 90° with cable

TPE 5x16AWG ye UL/CSA, TC-ER, IEC 5m

Art.No.: 7700-P4211-U0D0500

Weight: 0.684

Country of origin: US

Model designation: MSWCLLO-UU0D_5.0

Power

Male 90°

USA

M12, 5-pole

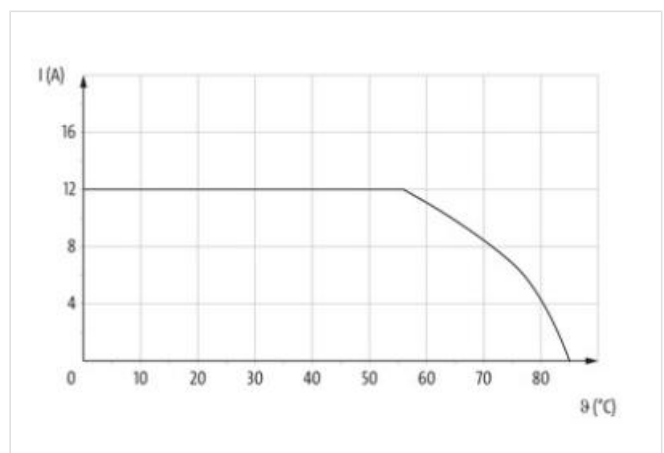
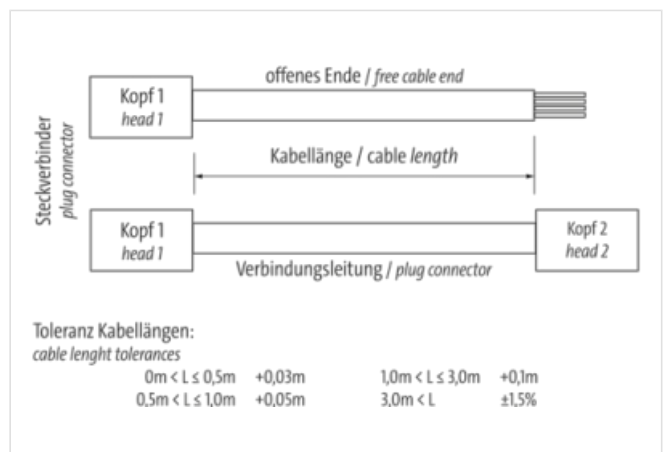
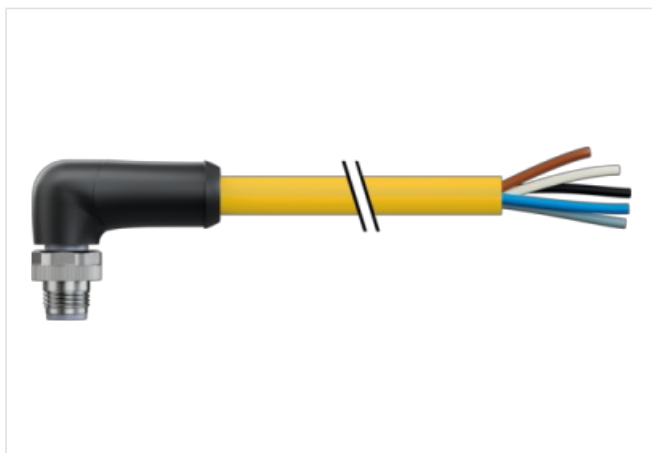
L-coded

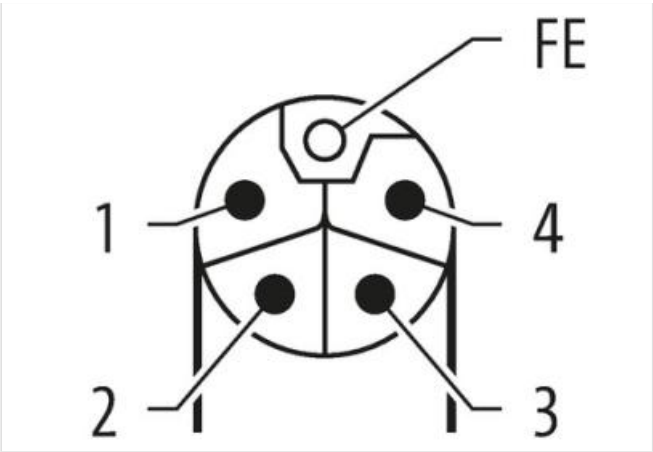
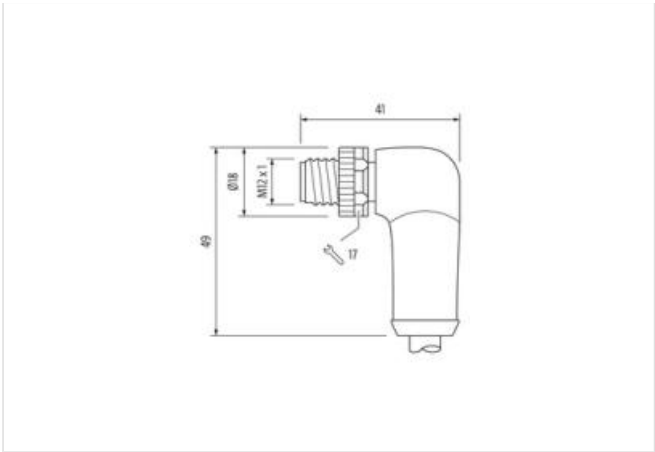
Plastic housings with good resistance against chemicals and oils.

The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

without cable sleeves

[Link to Product](#)**Illustration**



Product may differ from Image



Cable length	5 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12P
Thread	M12 x 1
suitable for corrugated tube (internal Ø)	16,4 mm
Gender	male
Cable outlet	angled
Coding	L
Material contact	Copper alloy
No. of poles	5
Width across flats	SW17
Degree of protection (EN IEC 60529)	IP65, IP67
Side 2	
Stripping length (jacket)	100 mm
Family construction form	free cable end
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060327
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ETIM-5.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
EAN	4048879850902
EAN	4048879850902
Packaging unit	1

Packaging unit 1

Electrical data | Supply

Operating voltage DC max. 63 V
Current operating per contact max. 12 A

Diagnostics

Status indication LED no

Installation | Connection

Stripping length (jacket) 100 mm
Width across flats SW17
Mating cycles min. 100

Device protection | Electrical

Degree of protection (EN IEC 60529) IP65, IP67
Additional condition protection degree inserted, screwed
Pollution Degree 3
Rated surge voltage 1,5 kV
Material group (IEC 60664-1) I

Mechanical data | Material data

Material housing PUR
Coating locking Nickeled
Locking material Zinc die-casting

Mechanical data | Mounting data

Mounting method inserted, screwed, Shaking protection

Environmental characteristics | Climatic

Operating temperature min. -25 °C
Operating temperature max. 85 °C
Additional condition temperature range depending on cable quality

Important installation notes

Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius **Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

Conformity

Product standard IEC 61076-2-111

Installation | Cable

wire arrangement brown, black, blue, white, gray
Cable identification U0D
Jacket Color yellow
Type of Certificate cURus
Amount stranding 1
Stranding 5 wires around Filler twisted
Banding Foil
Filler yes
wire arrangement brown, black, blue, white, gray
Cable weight 144,1 g/m
Material jacket TPE
Freedom from ingredients (jacket) lead-free, CFC-free, halogen-free
Outer-diameter (jacket) 9,78 mm
Tolerance outer diameter (sheath) ± 5 %
Material wire insulation PVC
Amount wires 5
Outer diameter insulation 2,62 mm

Outer diameter tolerance core insulation	± 5 %
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	65
Diameter of single wires	16 AWG
Conductor crosssection (wire)	16 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	600 V
Current load capacity (standard)	according to NFPA-70 (NEC) : 400.5(A) (1-3)
Current load capacity min. wire	8 A
Electrical resistance line constant wire	13,2 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	6 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	6 kV @ 60 s
Min. operating temperature (static)	-50 °C
Max. operating temperature (fixed)	105 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	90 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	8 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	2 Mio.