

**Mini (7/8) 3 pole, Female 90° w/ Cable**

TPE 3x16AWG ye UL/CSA, TC-ER

Art.No.: 7700-A3031-U1B0500

Weight: 0.627 kg

Country of origin: DE

Model designation: MSCDL0-QU1B\_5.0

Female 90°

7/8" (3-pole)

Power cable

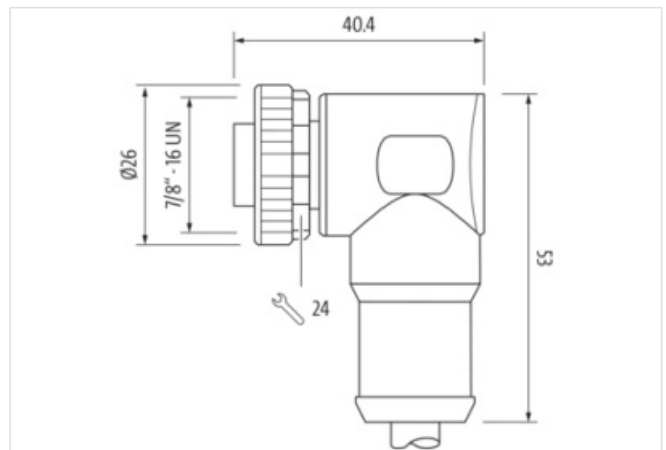
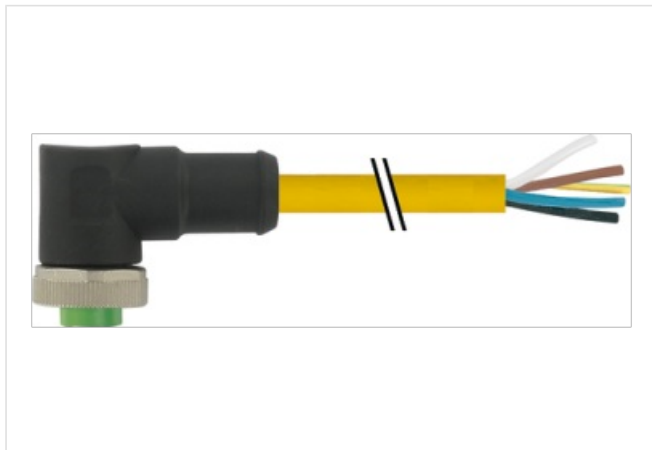
USA

without cable sleeves

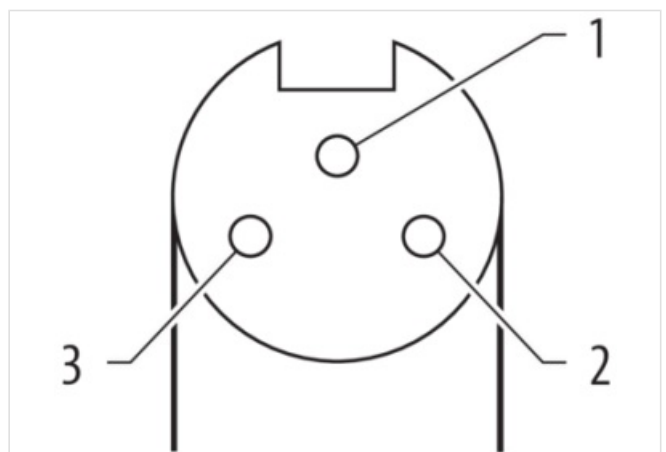
Further cable lengths on request.

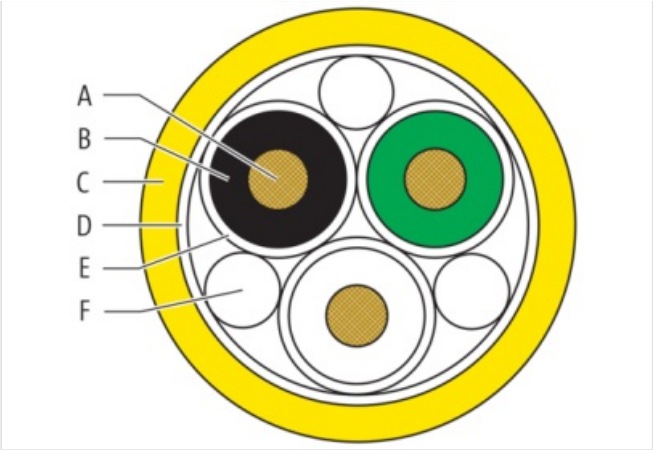
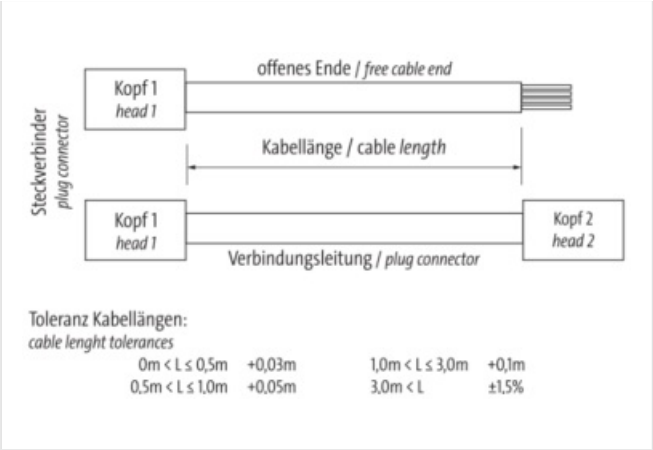
Plastic housings with good resistance against chemicals and oils.

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

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

1	GN
2	BK
3	WH





Product may differ from Image



Header	
Material short text	MSCDL0-QU1B_5.0
Cable length	5,00 m
Side 1	
Family construction form	7/8"
No. of poles	3
Gender	female
Mounting method	inserted, screwed
Threaded hole	7/8"
Tightening torque	1,5 Nm
Width across flats	SW24
Cable outlet	angled
suitable for corrugated tube (internal Ø)	17,8 mm
Commercial data	
URL Webshop	<a href="https://shop.murrelektronik.com/7700-A3031-U1B0500">https://shop.murrelektronik.com/7700-A3031-U1B0500</a>
GTIN	4048879645287
ECLASS-6.0	27279218
ECLASS-6.1	27279218

ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060327
ECLASS-9.1	27060311
ECLASS-10.0.1	27060311
ECLASS-10.1	27060311
ECLASS-11.0	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060327
ECLASS-13.0	27060311
ECLASS-14.0	27060311
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
EAN	4048879645287
Packaging unit	1

**Electrical data | Supply**

Operating voltage AC max.	600 V
Operating voltage DC max.	600 V
Current operating per contact max.	12 A

**Diagnostics**

Status indication LED	No
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**Device protection | Electrical**

Degree of protection (EN IEC 60529)	IP68
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	2,5 kV

**Mechanical data | Material data**

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

**Mechanical data | Mounting data**

Mounting method	inserted, screwed, Shaking protection
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**Environmental characteristics | Climatic**

Operating temperature min.	-25 °C
Operating temperature max.	80 °C
Additional condition temperature range	depending on cable quality

**Important installation notes**

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

**Installation | Cable**

Cable identification	U1B
Amount stranding	1
Stranding	1 × Wires
Banding	Nylon film 25% overlap 100% coverage
Filler	Yes

Wire arrangement	black, green, white
Cable weight	0 g/m
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	2,62 mm
Outer diameter tolerance core insulation	± 0,05 mm
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
Outer-diameter (jacket)	8,38 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	TPE
Freedom from ingredients (jacket)	lead-free, CFC-free, halogen-free
Conductor resistance (wire)	13.2 Ω/km @ 20 °C
Nominal voltage max.	600 V
Withstand voltage (wire - wire)	6 kV @ 60 s
Withstand voltage (wire - jacket)	6 kV @ 60 s
Current load capacity (standard)	according to NFPA-70 (NEC) : 400.5(A) (1-3)
Current load capacity max. (wire)	10 A
Operating temperature min. (static)	-50 °C
Operating temperature max. (static)	105 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	90 °C
Bending radius (fixed)	8 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	2 Mio. @ 25 °C
Torsion stress	90 °/m