

**Mini (7/8) 3 pole, Male (Ext.) Straight/Female Straight,**

TPE, TC-ER+FT4, 3x16AWG, yellow, 3m

Art.No.: 7700-A3A01-U1B0300

Weight: 0.368

Country of origin: DE

Model designation: MSCAL0-CB-QU1B\_3.0

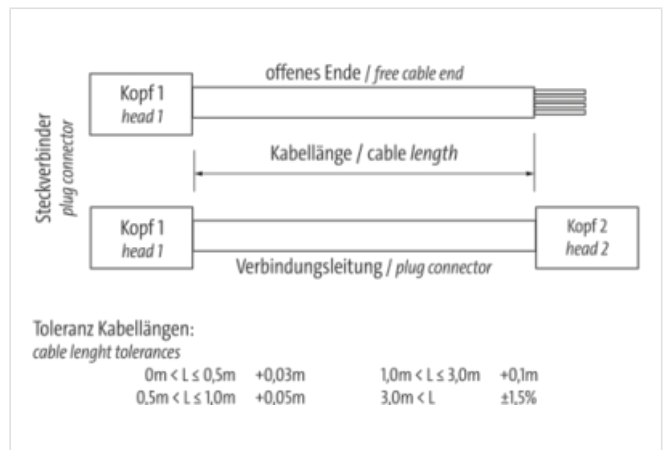
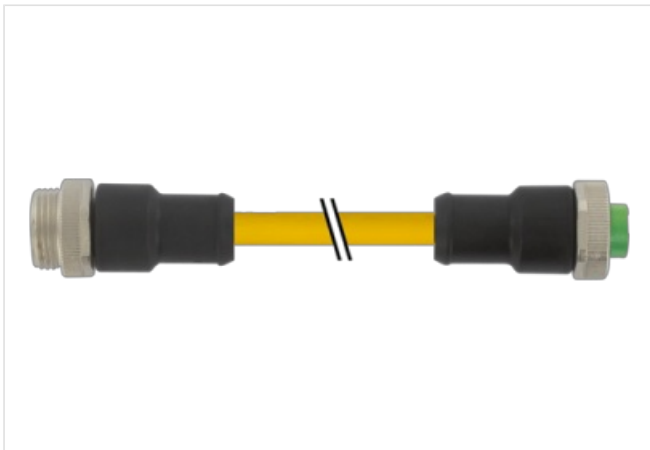
**Advantages of our connectors:**

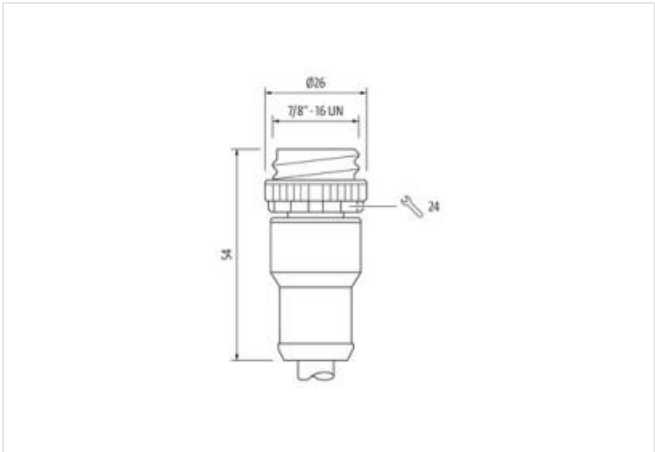
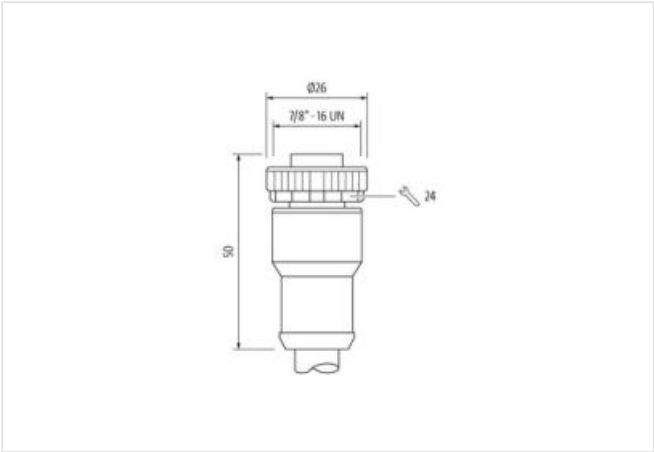
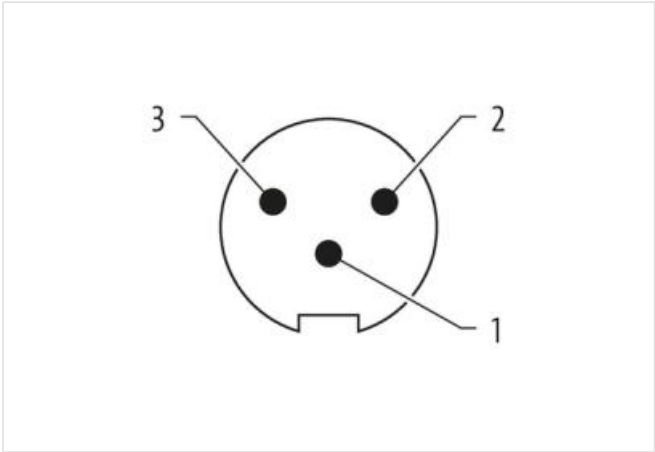
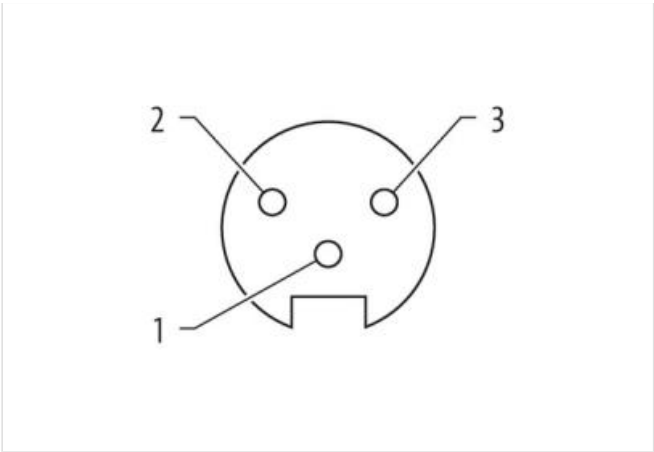
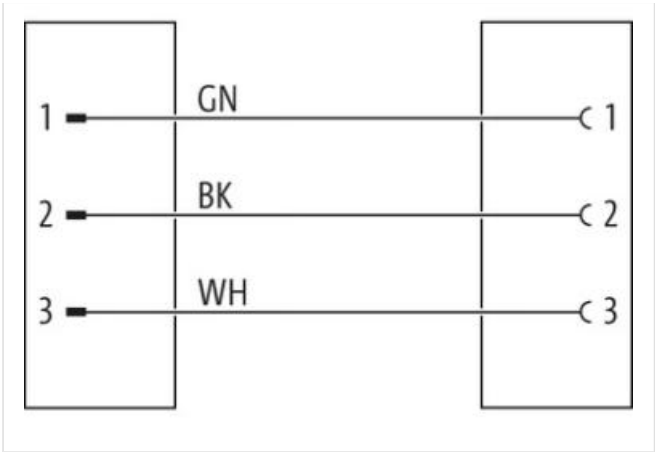
Our connectors are versatile and specially optimised for industrial environments. All connectors are 100% tested during the manufacturing process to ensure the highest quality and reliability.

The contacts are gold-plated, which ensures optimum conductivity. Thanks to the high degree of protection, the connectors are ideal for demanding industrial environments. They are also vibration-resistant - this is ensured by the union nut with vibration protection.

Our connectors are resistant to oils and cooling lubricants, but resistance to aggressive media should be tested for each specific application. Different cable lengths available [on request](#)

If you are missing technical information? Please feel free to use our [dictionary](#) to find more technical details.

**Product details:****Male straight – female straight****7/8" – 7/8", 3-pole****Power cable****USA****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**



Product may differ from Image



Cable length 3 m

Side 1

Tightening torque 1,5 Nm

Family construction form	7/8"
Thread	7/8"
Width across flats	SW24
Side 2	
Tightening torque	1,5 Nm
Thread	7/8"
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	4048879645072
EAN	4048879645072
Packaging unit	1
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
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP68
Additional condition protection degree	inserted, screwed
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.	80 °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.
Installation   Cable	
wire arrangement	black, green, white
Cable identification	U1B
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires with 3 Filler twisted

<b>Banding</b>	<b>Nylon film 25% overlap 100% coverage</b>
<b>Filler</b>	<b>yes</b>
<b>wire arrangement</b>	<b>black, green, white</b>
<b>Cable weight</b>	<b>115,5 g/m</b>
<b>Material jacket</b>	<b>TPE</b>
<b>Freedom from ingredients (jacket)</b>	<b>lead-free, CFC-free, halogen-free</b>
<b>Outer-diameter (jacket)</b>	<b>8,38 mm</b>
<b>Tolerance outer diameter (sheath)</b>	<b>± 5 %</b>
<b>Material wire insulation</b>	<b>PVC</b>
<b>Amount wires</b>	<b>3</b>
<b>Outer diameter insulation</b>	<b>2,62 mm</b>
<b>Outer diameter tolerance core insulation</b>	<b>± 5 %</b>
<b>Ingredient freeness wire insulation</b>	<b>lead-free, CFC-free</b>
<b>Amount strands (wire)</b>	<b>65</b>
<b>Diameter of single wires</b>	<b>16 AWG</b>
<b>Conductor crosssection (wire)</b>	<b>16 AWG</b>
<b>Material conductor wire</b>	<b>Stranded copper wire, bare</b>
<b>Nominal voltage AC max.</b>	<b>600 V</b>
<b>Current load capacity (standard)</b>	<b>according to NFPA-70 (NEC) : 400.5(A) (1-3)</b>
<b>Current load capacity min. wire</b>	<b>10 A</b>
<b>Electrical resistance line constant wire</b>	<b>13,2 Ω/km @ 20 °C</b>
<b>AC withstand voltage (wire - wire)</b>	<b>6 kV @ 60 s</b>
<b>Power frequency withstand voltage (wire - jacket)</b>	<b>6 kV @ 60 s</b>
<b>Min. operating temperature (static)</b>	<b>-50 °C</b>
<b>Max. operating temperature (fixed)</b>	<b>105 °C</b>
<b>Operating temperature min. (dynamic)</b>	<b>-20 °C</b>
<b>Operating temperature max. (dynamic)</b>	<b>90 °C</b>
<b>Flame resistance</b>	<b>UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090</b>
<b>chemical resistance</b>	<b>Good, application-related testing</b>
<b>Gasoline resistance</b>	<b>Good, application-related testing</b>
<b>Oil resistance</b>	<b>DIN EN 60811-404   Good, application-related testing</b>
<b>Bending radius (fixed)</b>	<b>8 x Outer diameter</b>
<b>Bending radius (dynamic)</b>	<b>10 x Outer diameter</b>
<b>No. of bending cycles (C-track)</b>	<b>2 Mio. @ 25 °C</b>
<b>Torsion stress</b>	<b>± 90 °/m</b>