


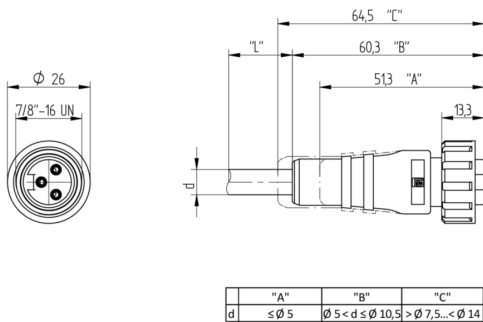


**Product:** [RK 30-05](#) 

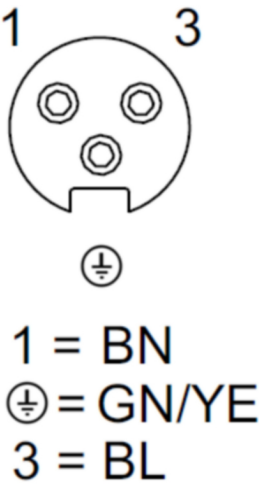
7/8" - Female 0° | #Contacts: 3 | 250 V | Cable: Orange (PVC); 0.75mm<sup>2</sup>; IEC

**Product Description**  
Single-Ended Cordset | 7/8"- Female Straight | #Contacts: 3 | 250 V / 12 A | Cable: PVC Orange; 3x0.75mm<sup>2</sup>; IEC

Technical Drawing



Female Face View



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3
brown	black	blue

Technical Data

Product Family:	Power Connector
Product Sub Family:	7/8" (2, 3, 4, 5, 6 contacts)
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Socket Contact / Female
Connector Design:	7/8"   Female   3 Pole   0°
Number of Pins:	3
Coding:	A

Shielding:	Unshielded
Attachment Type:	Female Thread (Hex coupling nut)
Rated Voltage:	250 V
Operating Voltage:	230 V AC/DC
Rated Current*:	12 A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C to + 90°C
Protection Degree / IP Rating**:	IP65, IP67
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	Brass (CuZn)
Contact Plating:	Copper-Silver-Gold-Alloy (Cu/Ag/Au)
Contact Bearer Material:	Thermoplastic polyurethane (TPU)
Contact Bearer Color:	Orange
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	Thermoplastic polyurethane (TPU)
Molded Body Color:	Orange
Flammability Class (Molded Body):	UL 94 HB
Housing Color:	orange
Attachment Material:	Polyamide (PA), Black

Additional Technical Data

Fastening Torque (Attachment):	7/8": 70 Ncm, hand-tight
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Cable Data

Cable Number:	05
Conductor Size:	0.75 mm²
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 1 mio
Conductor material:	Cu
Cable Jacket Material:	Polyvinyl Chloride (PVC)
Cable Jacket Color:	Orange
Cable Diameter D:	Ø 7.20 mm (.283")
Wire Insulation Material:	Polyvinyl Chloride (PVC)
Insulated Wire Diameter:	Ø 2.40 mm (0.094")
Ambient Temperature (Fixed Installation):	- 40 °C to +90 °C
Ambient Temperature (Flex Installation):	+ 5 °C to +90 °C
UL Cable Type:	AWM: 2654
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-1-2, IEC 60332-1-2, UL VW-1; flame-retardant and self-extinguishing
Cable Characteristics:	Flexibility: Good   Abrasion Resistance: Good   Chemical Resistance: resists water, oil, acids, and alkalis  Flame Retardance: Good   Halogen-Free: No   Mechanical Durability: Good (resists impact, tear, and flex)   Environmental Suitability: Indoor, excellent balance of performance, cost, and versatility

Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Halogenfree:	No
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Notes

Note Derating:	* Notice derating
Protection Degree / IP Rating Note:	IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked

Variants

Item #	Item Description	Cable Length
500000621	RK 30-05/5 M	5 m

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