



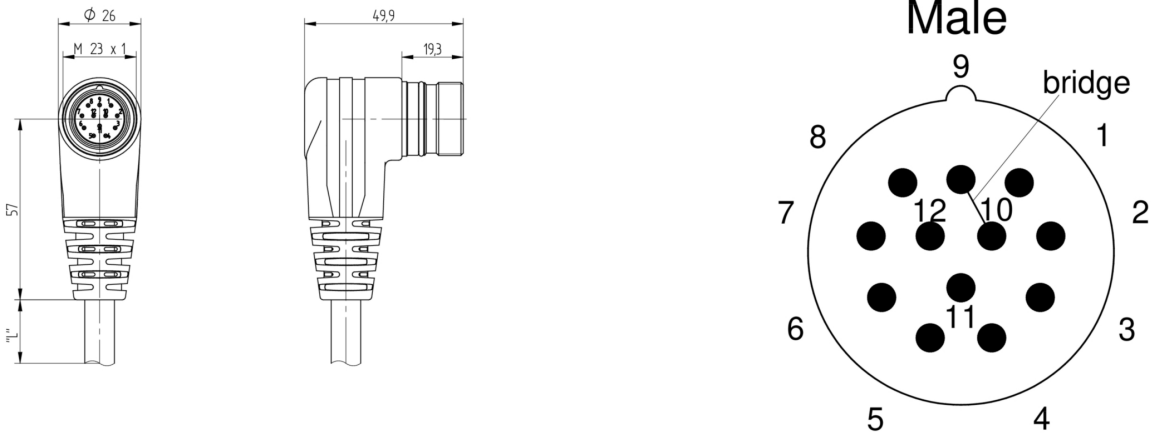
Product: [RSWUF 12-S4741](#)

M23 - Male 90°, Fixed | #Contacts: 12 | 120 V | Cable: Yellow (TPE); 8x0.5 mm² + 3x1.0 mm²; IEC

Product Description

M23 - Singled-Ended Male Angled Cordset, External Thread Fixed | #Contacts: 12 | 120 V / 8 A | Yellow TPE Jacket, 8x0.5 mm² (20 AWG) + 3x1.0 mm² (17 AWG), IEC

Technical Drawing



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12
white	green	yellow	grey	grey-pink	red-blue	white-green	brown-green	blue	blue (bridge to pin 9)	brown	green-yellow

Technical Data

Product Family:	Power Connector
Side 1 Product Sub Family:	M23 Power
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Pin Contact / Male
Connector Design:	M23 Male 12 Pole 90° Fixed Thread
Number of Pins:	12
Shielding Type:	Unshielded
Attachment Type:	External thread fixed
Voltage Rating:	125 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	110 V AC/DC
Current Rating:	8 A
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100

Cross Section:	8x0.5mm² + 3x1.0 mm²
Ambient Temperature (Operation)*:	- 25 °C to + 80 °C
Protection Degree / IP Rating**:	IP67
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	II acc. to DIN EN 60664-1 (VDE 0110-1)

Materials

Contact Base Material:	Brass (CuZn)
Side 1 Contact Plating:	Gold over Copper (Cu/Au)
Contact Bearer Material:	Polybutylene terephthalate (PBT)
Contact Bearer Color:	White
Flammability Class (Contact Bearer):	UL 94 V0
Molded Body Material:	Thermoplastic Polyurethane (TPU)
Molded Body Color:	Yellow
Flammability Class (Molded Body):	UL 94-HB
Attachment Material:	Brass (CuZn)
Attachment Plating:	Nickel (Ni)
O-Ring Material:	Fluorocarbon rubber (FKM)
Gasket Material:	Fluorocarbon rubber (FKM)

Cable Data

Cable Number:	S4741
Conductor Size:	8x0.5mm² + 3x1.0 mm²
Number of Wires:	11
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 2 M
Conductor Material:	Cu
Cable Jacket Material:	Thermoplastic elastomers (TPE)
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 10.00 [0.39"]
Wire Insulation Material:	Polypropylene (PP)
Insulated Wire Diameter:	8 x Ø 1.45 mm [0.6"] + 3 x Ø 1.95 mm[0.8"]
Ambient Temperature (Fixed Installation):	- 25 °C to + 80 °C (PLTC 75 °C)
Ambient Temperature (Flex Installation):	- 5 °C to + 80 °C (PLTC 75 °C)
Ambient Temperature (Drag Chain Inst):	- 25 °C to + 60 °C
UL Cable Type:	PLTC
Flammability Class (Cable Jacket):	DIN EN 60332-1-2, VDE 0482-332-2-2, IEC 60332-1-2, UL 1685 vertical tray
Cable Characteristics:	Flexibility: Excellent Abrasion Resistance: Good Oil & Chemical Resistance: Excellent UV Resistance: Good Low Temp Performance: Good (flexible to -40°C) Flame Retardance: Fair to Good Halogen-Free: Yes Mechanical Durability: Good (resists impact, tear, and flex) Drag Chain: Yes Environmental Suitability: Outdoor, oily, wet, or rough environments

Safety & Environmental Compliance

RoHS Compliant:	Yes
-----------------	-----

Resistances

Halogenfree:	No
--------------	----

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

Note:	Do not connect / disconnect under load.
Particularities:	When the connector is unlocked and in risk of pollution the connector has to be covered with a protective cap ≥ IP54.

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.