



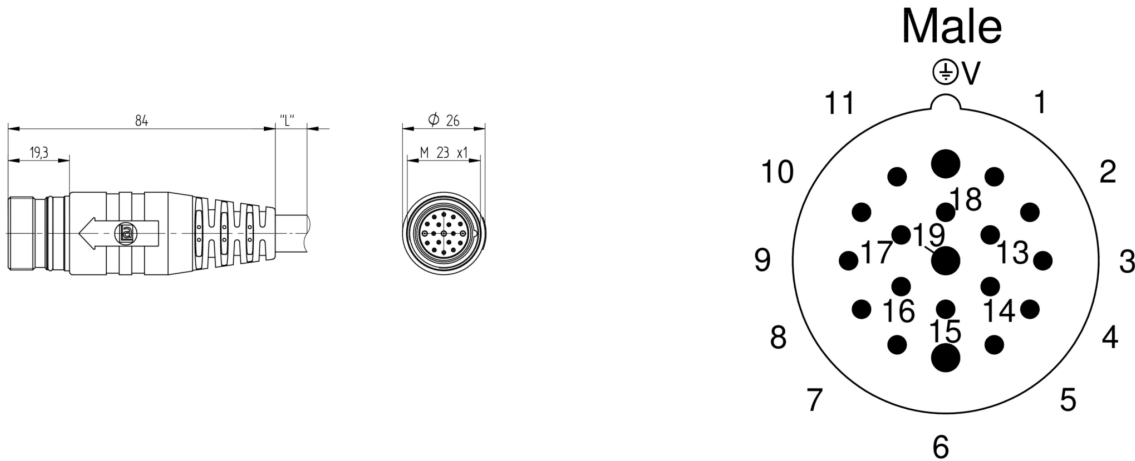
**Product:** [RSUF 19-S4740](#)

M23 - Male 0°, Fixed | #Contacts: 19 | 120 V | Cable: Yellow (TPE); 16x0.5 mm<sup>2</sup> + 3x1.0 mm<sup>2</sup>; IEC

**Product Description**

M23 - Singled-Ended Male Straight Cordset, External Thread Fixed | #Contacts: 19 | 120 V / 16x8 A + 3x10 A | Yellow TPE Jacket, 16x0.5 mm<sup>2</sup> (20 AWG) + 3x1.0 mm<sup>2</sup> (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	Pin 13	Pin 14	Pin 15	Pin 16	Pin 17	Pin 18	Pin 19
violet	red	grey	red-blue	green	blue	grey-pink	white-green	white-yellow	white-grey	black	green-yellow	yellow-brown	brown-green	white	yellow	pink	grey-brown	brown

**Technical Data**

Product Family:	Power Connector
Product Sub Family:	M23 Power
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Pin Contact / Male
Connector Design:	Straight (0°) Body
Number of Pins:	19
Shielding:	Unshielded
Attachment Type:	External thread fixed
Rated Voltage:	125 V
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	120 V AC/DC
Rated Current*:	16 x 8 A (pin-Ø 1 mm), 3 x 10 A (contact-Ø 1.5 mm)
Insulation Resistance:	> 10 <sup>9</sup> Ohm
Mating Cycles:	≤ 100
Conductor Cross Section:	16x0.5mm <sup>2</sup> + 3x1.0 mm <sup>2</sup>

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:	Copper Alloy
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)

Cable Data

Cable Number:	S4740
Conductor Size:	16x0.5mm <sup>2</sup> + 3x1.0 mm <sup>2</sup>
Number of Wires:	19
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 11.60
Wire Insulation Material:	Polypropylene (PP)
Insulated Wire Diameter:	16 x Ø 1.45 mm + 3 x Ø 1.95 mm
Ambient Temperature (Fixed Installation):	- 25 °C to + 80 °C (PLTC 75°C)
Ambient Temperature (Flex Installation):	- 5 °C to + 80 °C (PLTC 75°C)
UL Cable Type:	UL13 PLTC 75C and AWM-Style 20841 80C
Flammability Class (Cable Jacket):	Vertical tray test UL 1685
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
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Resistances

Halogenfree:	IEC 60754-1, VDE 0482-267, EN 50267-2-1
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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
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.

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