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|--------|-----|------|----------|-------|------|-----------|-------------|--------------|------------|-------|--------------|--------------|-------------|-------|--------|------|------------|-------|
| 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 |
|--------|-----|------|----------|-------|------|-----------|-------------|--------------|------------|-------|--------------|--------------|-------------|-------|--------|------|------------|-------|

Product Description

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|------------------------|--|
| Product Family: | Power Connector |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, double ended |
| Shielding: | Unshielded |
| 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) |

Technical Data Side 1

| | |
|--------------------------------------|---|
| Product Sub Family: | M23 Power |
| Type of Contact / Gender: | male |
| Connector Design: | straight |
| Attachment Type: | Coupling Nut |
| Number of Pins: | 19 |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| 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) |
| Contact Base Material: | CuZn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | PBT |
| Contact Bearer Color: | white |
| Flammability Class (Contact Bearer): | UL 94 V0 |
| Molded Body Material: | TPU |
| Molded Body Color: | yellow |
| Flammability Class (Molded Body): | UL 94-HB |
| Attachment Material: | CuZn, nickel-plated |
| O-Ring Material: | NBR |
| Note: | Do not connect / disconnect under load. |

Cable Data

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|---|---|
| Cable Number: | S4740 |
| Conductor Size: | 16x0.5mm ² + 3x1.0 mm ² |
| Number of Wires: | 19 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Conductor material: | Cu |
| Cable Jacket Material: | TPE |
| Cable Jacket Color: | yellow |
| Cable Diameter D: | Ø 11.60 ±0.30 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | 16x Ø1.45 mm + 3x Ø1.95 mm |
| Ambient Temperature (Fixed Installation): | -25°C to +80°C |
| Ambient Temperature (Flex Installation): | -5°C to +80°C |
| UL Cable Type: | AWM: 20841 |

Technical Data Side 2

| | |
|-----------------------------------|-----------|
| Product Sub Family, Side 2: | M23 Power |
| Type of Contact / Gender, Side 2: | female |
| Connector Design, Side 2: | angled |

| | |
|--|---|
| Attachment Type, Side 2: | Coupling Nut |
| Number of Pins, Side 2: | 19 |
| Insulation Resistance, Side 2: | > 10 ⁹ Ohm |
| Mating Cycles, Side 2: | ≤ 100 |
| Ambient Temperature (Operation), Side 2*: | -25°C to +80°C |
| Protection Degree / IP Rating, Side 2**: | IP67 |
| Pollution Degree, Side 2: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance, Side 2: | acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category, Side 2: | II acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material, Side 2: | 16 x CuSn/3 x CuZn |
| Contact Plating, Side 2: | Cu/Au |
| Contact Bearer Material, Side 2: | PA 66 |
| Contact Bearer Color, Side 2: | black |
| Flammability Class (Contact Bearer), Side 2: | UL 94-HB |
| Molded Body Material, Side 2: | TPU |
| Molded Body Color, Side 2: | yellow |
| Flammability Class (Molded Body), Side 2: | UL 94-HB |
| Attachment Material, Side 2: | CuZn, nickel-plated |
| O-Ring Material, Side 2: | FKM |
| Note, Side 2: | Do not connect / disconnect under load. |

Safety & Environmental Compliance

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|-----------------|-----|
| RoHS Compliant: | yes |
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Notes

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| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note Derating: | * Notice derating |
| Particularities: | When the connector is unlocked and in risk of pollution the connector has to be covered with a protective cap ≥ IP54. |

Variants

| Item # | Item Description | Cable Length |
|--------|----------------------------|--------------|
| 6290 | RSU 19-RKWU 19-S4740/0,5 M | 0.5 m |
| 6291 | RSU 19-RKWU 19-S4740/1 M | 1 m |
| 6292 | RSU 19-RKWU 19-S4740/2 M | 2 m |
| 6293 | RSU 19-RKWU 19-S4740/3 M | 3 m |
| 6294 | RSU 19-RKWU 19-S4740/4 M | 4 m |
| 2345 | RSU 19-RKWU 19-S4740/5 M | 5 m |
| 6295 | RSU 19-RKWU 19-S4740/6 M | 6 m |
| 6296 | RSU 19-RKWU 19-S4740/7 M | 7 m |
| 6297 | RSU 19-RKWU 19-S4740/8 M | 8 m |
| 6298 | RSU 19-RKWU 19-S4740/9 M | 9 m |
| 2346 | RSU 19-RKWU 19-S4740/10 M | 10 m |
| 14685 | RSU 19-RKWU 19-S4740/12 M | 12 m |
| 6299 | RSU 19-RKWU 19-S4740/15 M | 15 m |
| 6300 | RSU 19-RKWU 19-S4740/20 M | 20 m |
| 6301 | RSU 19-RKWU 19-S4740/25 M | 25 m |

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