

white-orange | orange | white-green | green | blue | white | brown | black

Product Description

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| Product Family: | Data Connectors |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, double ended |
| Shielding: | Shielded |
| Rated Voltage: | 50 V |
| Rated Voltage (UL): | 50 V AC/DC |
| Rated Impulse Voltage: | 0.8 kV |
| Operating Voltage: | 50 V AC/ DC |
| Rated Current*: | Power: 6 A; Data: 0.5 A |
| Rated Current (UL)*: | Power: 6 A; Data: 0.5 A |
| Data Transmission: | Fast Ethernet Cat5e |
| Data Transmission Rate: | 100 Mbit/s |

Technical Data Side 1

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| Product Sub Family: | M12 Hybrid Receptacle |
| Type of Contact / Gender: | Male |
| Connector Design: | Straight |
| Attachment Type: | Coupling Screw |
| Number of Pins: | 8 |
| Coding: | Y |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 40 °C - + 90 °C |
| Operating Temperature (UL): | max. + 80 °C |
| Protection Degree / IP Rating**: | IP65, IP67, IP69K |
| Design Standard: | IEC 61076-2-113 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category: | III acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material: | CuZn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | PBT-GF |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | Data: UL 94 V-2 + Power: UL 94 V-0 |
| Molded Body Material: | TPU |
| Molded Body Color: | Black |
| Flammability Class (Molded Body): | UL 94 HB |
| Housing Material: | CuZn, Nickel-plated |
| Attachment Material: | CuZn |
| Attachment Plating: | Nickel-plated |
| Shielding Material: | Housing: CuZn, tin-plated |
| Shielding Material: | Sleeve: GD-Zn, nickel-plated |
| Note: | Do not connect or disconnect under load. |

Cable Data

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| Cable Number: | 922 |
| Conductor Size: | Data: 4x0.15 mm ² + Power: 4x0.75 mm ² |
| Number of Wires: | 8 |
| Minimal Bending Radius (Fixed Inst): | > 6 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Cycles (Bending): | > 1-2 M |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | black matt similarly RAL 9005 |

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| Cable Diameter D: | ø 8.00 ± 0.3 mm |
| Wire Insulation Material: | PP |
| Insulated Wire Diameter: | Data: ø 1.15 ± 0.03 mm + Power: ø 1.70 ± 0.05 mm |
| Overall Shield (Cable): | Cu-ETP1 tinned |
| Element Shield: | Shielding Foil |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 90 °C (UL: + 80 °C) |
| Ambient Temperature (Flex Installation): | - 30 °C - + 70 °C |
| UL Cable Type: | AWM: 20233 |
| Cable Characteristics: | Exclusion of dangerous materials; Exclusion of PVC and Silicone |
| Core Colors: | Data: green, orange, white-green, white-orange + Power: brown, black, white, blue |

Technical Data Side 2

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| Product Sub Family, Side 2: | M12 Hybrid |
| Type of Contact / Gender, Side 2: | Female |
| Connector Design, Side 2: | Straight |
| Attachment Type, Side 2: | Coupling Nut |
| Number of Pins, Side 2: | 8 |
| Coding, Side 2: | Y |
| Contact Resistance, Side 2: | ≤ 10 mOhm |
| Insulation Resistance, Side 2: | > 10 ⁹ Ohm |
| Mating Cycles, Side 2: | ≤ 100 |
| Ambient Temperature (Operation), Side 2*: | - 40 °C - + 90 °C |
| Operating Temperature (UL), Side 2: | max. + 80 °C |
| Protection Degree / IP Rating, Side 2**: | IP65, IP67, IP69K |
| Design Standard, Side 2: | IEC 61076-2-113 |
| Pollution Degree, Side 2: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category, Side 2: | III acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material, Side 2: | CuZn |
| Contact Plating, Side 2: | Cu/Au |
| Contact Bearer Material, Side 2: | PBT-GF |
| Contact Bearer Color, Side 2: | Black |
| Flammability Class (Contact Bearer), Side 2: | Data: UL 94 V-2 + Power: UL 94 V-0 |
| Molded Body Material, Side 2: | TPU |
| Molded Body Color, Side 2: | Black |
| Flammability Class (Molded Body), Side 2: | UL 94 HB |
| Attachment Material, Side 2: | CuZn |
| Attachment Plating, Side 2: | Nickel-plated |
| Shielding Material, Side 2: | GD-Zn, nickel-plated |
| Fastening Torque (Attachment), Side 2: | M 12x1: (50-60) Ncm, hand-tight |

Approvals

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| UL-File: | E315587 |
| UL: | UL 2238; cULus |

Safety & Environmental Compliance

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| RoHS Compliant: | yes |
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Resistances

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| Halogenfree: | EN 50267-2-1, IEC 60754-1 max. 0.5% HCl |
| Oil Resistance: | IEC 60811-2-1, ASTM 1 standard oil requirement |

Notes

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| Note Derating: | Notice derating |
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |

Variants

| Item # | Item Description | Cable Length |
|-----------|---------------------------|--------------|
| 934966501 | RSHS 8Y-RKTS 8Y-922/0,3 M | 0.3 m |

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|-----------|---------------------------|-------|
| 934966502 | RSHS 8Y-RKTS 8Y-922/0,6 M | 0,6 m |
| 934966503 | RSHS 8Y-RKTS 8Y-922/1 M | 1 m |
| 934966504 | RSHS 8Y-RKTS 8Y-922/2 M | 2 m |
| 934966505 | RSHS 8Y-RKTS 8Y-922/3 M | 3 m |
| 934966506 | RSHS 8Y-RKTS 8Y-922/5 M | 5 m |
| 934966507 | RSHS 8Y-RKTS 8Y-922/10 M | 10 m |
| 934966508 | RSHS 8Y-RKTS 8Y-922/15 M | 15 m |

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