





## Technical Specifications

### Product Description

|                        |                    |
|------------------------|--------------------|
| Product Family:        | Power Connector    |
| Brand:                 | Lumberg Automation |
| Connector Type:        | Molded Splitter    |
| Shielding Type:        | Unshielded         |
| Voltage Rating:        | 63 V               |
| Rated Voltage (UL):    | 63 V               |
| Rated Impulse Voltage: | 1.5 kV             |
| Operating Voltage:     | 60 V AC/DC         |
| Current Rating:        | 16 A               |

### Technical Data Side 1

|                                      |   |
|--------------------------------------|---|
| Side 1 Product Sub Family:           | M12 Power                                   |
| Side 1 Type of Contact/Gender:       | Pin Contact / Male                          |
| Connector Design:                    | Input   M12 Male   h shape                  |
| Attachment Type:                     | Coupling Screw                              |
| Number of Pins:                      | 5 (4+FE)                                    |
| Coding, Side 1:                      | L   |
| Insulation Resistance:               | > 10 <sup>8</sup> Ohm                       |
| Mating Cycles:                       | ≤ 100                                       |
| Ambient Temperature (Operation)*:    | -30 °C to +90 °C, notice derating           |
| Protection Degree / IP Rating**:     | IP65, IP67                                  |
| Side 1 Design Standard:              | IEC 61076-2-111                             |
| Side 1 Pollution Degree:             | 3 acc. to IEC 60664-1                       |
| Clearance / Creepage Distance:       | IEC 60664-1 (2020-05)                       |
| Overvoltage Category:                | III acc. to IEC 60664-1                     |
| Contact Base Material:               | Copper Alloy (CuZn)                         |
| Side 1 Contact Plating:              | Gold over Copper (Cu/Au)                    |
| Contact Bearer Material:             | Polyamide (PA)                              |
| Contact Bearer Color:                | Black                                       |
| Flammability Class (Contact Bearer): | UL 94 HB                                    |
| Molded Body Material:                | Thermoplastic Polyurethane (TPU)            |
| Molded Body Color:                   | Black                                       |
| Flammability Class (Molded Body):    | UL 94 HB                                    |
| Attachment Material:                 | Copper Alloy (CuZn)                         |
| Attachment Plating:                  | Nickel (Ni)                                 |
| O-Ring Material:                     | Fluoroelastomer (FPM/FKM)                   |
| Fastening Torque (Attachment):       | M 12x1: (50-60) Ncm, hand-tight             |
| Note:                                | 1. Do not connect or disconnect under load. |

## Technical Data Side 2

|  |                                 |
|--|---------------------------------|
| Side 2 Product Sub Family:                   | M12 Power                       |
| Side 2 Type of Contact/Gender:               | Socket Contact / Female         |
| Connector Design, Side 2:                    | Output   2 x M12 Female         |
| Attachment Type, Side 2:                     | Coupling Nut                    |
| Number of Pins, Side 2:                      | 5 (4+FE)                        |
| Coding, Side 2:                              | L                               |
| Mating Cycles, Side 2:                       | ≤ 100                           |
| Protection Degree / IP Rating, Side 2**:     | IP65, IP67                      |
| Clearance / Creepage Distance, Side 2:       | IEC 60664-1 (2020-05)           |
| Overvoltage Category, Side 2:                | III acc. to IEC 60664-1         |
| Contact Base Material, Side 2:               | Copper Alloy (CuZn)             |
| Contact Plating, Side 2:                     | Gold over Copper (Cu/Au)        |
| Contact Bearer Material, Side 2:             | Polyamide (PA)                  |
| Contact Bearer Color, Side 2:                | Black                           |
| Flammability Class (Contact Bearer), Side 2: | UL 94 HB                        |
| Flammability Class (Molded Body), Side 2:    | UL 94 HB                        |
| Attachment Material, Side 2:                 | Copper Alloy (CuZn)             |
| Attachment Plating, Side 2:                  | Nickel (Ni)                     |
| Fastening Torque (Attachment), Side 2:       | M 12x1: (50-60) Ncm, hand-tight |

## Technical Data Side 3

|  |                          |
|--|--------------------------|
| Attachment Material, Side 3:                       | Copper Alloy (CuZn)      |
| Coding, Side 3:                                    | L                        |
| Contact Base Material, Side 3:                     | Copper Alloy (CuZn)      |
| Contact Bearer Color, Side 3:                      | Black                    |
| Contact Bearer Material, Side 3:                   | Polyamide (PA)           |
| Contact Plating, Side 3:                           | Gold over Copper (Cu/Au) |
| Number of Pins, Side 3:                            | 5 (4+FE)                 |
| Protection Degree / IP Rating (IEC 60529), Side 3: | IP65, IP67, IP68         |
| Rated Current*, Side 3:                            | 16 A                     |
| Rated Voltage, Side 3:                             | 63 V                     |
| Type of Contact / Gender, Side 3:                  | Socket Contact / Female  |

## Technical Data Side 4

|  |                  |
|--|------------------|
| Product Sub Family, Side 4:                        | M12 Power        |
| Protection Degree / IP Rating (IEC 60529), Side 4: | IP65, IP67, IP68 |
| Rated Current*, Side 4:                            | 16 A             |

## Approvals

|          |                |
|----------|----------------|
| UL-File: | E497237        |
| UL:      | UL 2237; cULus |

## Safety & Environmental Compliance

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

## Notes

|                                     |   |
|-------------------------------------|---|
| 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 Derating:                      | * Notice derating   |

## Variants

| Item # | Item Description      |
|--------|-----------------------|
| 26383  | MPS-8U-RST 5L-2RKT 5L |

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