

M12 Power male 0° L-cod. screw terminal5-pol., max. 2,5mm², 8 - 13mm

Art.No.: 7000-P4591-0000000

Weight: 0.027

Country of origin: DE

Model designation: MSWAL-U-SK max. 2.5mm²

Male straight

M12

5-pole

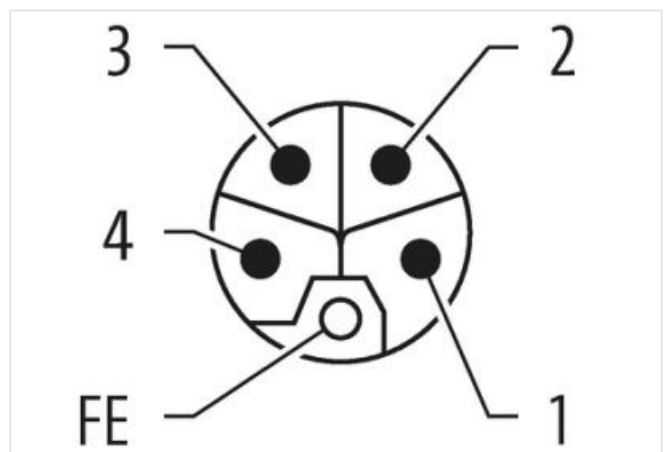
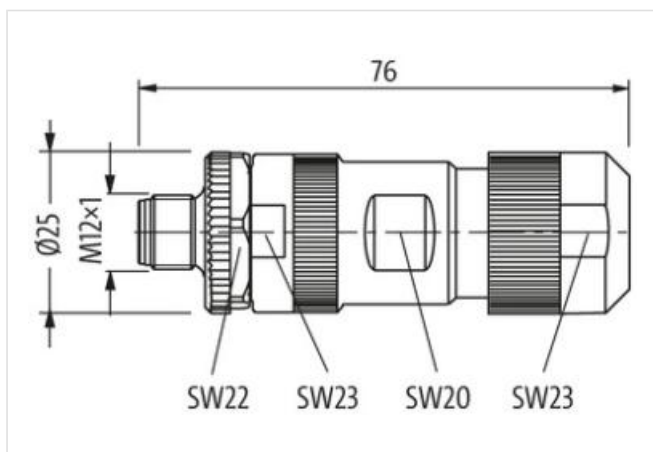
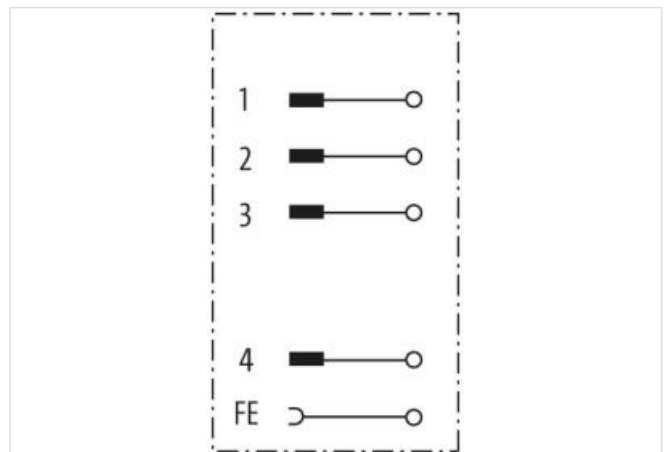
L-coded

Screw terminals

Sealing range (cable Ø)

8...13 mm

The resistance to aggressive media should be individually tested for your application. Further details on request.

[Link to Product](#)**Illustration**

Product may differ from Image

**Side 1**

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2025-05-03

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| | |
|--------------------------|-------------------|
| Mounting method | inserted, screwed |
| Family construction form | M12P |
| Thread | M12 x 1 |
| Gender | male |
| Cable outlet | straight |
| Coding | L |
| Material contact | Copper alloy |
| No. of poles | 5 |

Side 2

| | |
|-----------------|----------------|
| Mounting method | field-wireable |
|-----------------|----------------|

Commercial data

| | |
|-----------------------|---------------|
| ECLASS-6.0 | 27279221 |
| ECLASS-6.1 | 27260702 |
| ECLASS-7.0 | 27440102 |
| ECLASS-8.0 | 27440102 |
| ECLASS-9.0 | 27440116 |
| ECLASS-10.1 | 27440102 |
| ECLASS-11.1 | 27440102 |
| ECLASS-12.0 | 27440116 |
| ETIM-5.0 | EC002635 |
| customs tariff number | 85366990 |
| customs tariff number | 85366990 |
| GTIN | 4048879786553 |
| GTIN | 4048879786553 |
| Packaging unit | 1 |
| Packaging unit | 1 |

Electrical data | Supply

| | |
|------------------------------------|------|
| Operating voltage AC max. | 63 V |
| Operating voltage DC max. | 63 V |
| Current operating per contact max. | 16 A |

Diagnostics

| | |
|-----------------------|----|
| Status indication LED | no |
|-----------------------|----|

Installation

| | |
|--|---------|
| Cross section connection with wire end ferrule max. | 1,5 mm² |
| Cross section connection without wire end ferrule max. | 2,5 mm² |
| AWG number max. | 14 |
| Cross section connection with wire end ferrule AWG max. | 16 AWG |
| Cross section connection without wire end ferrule AWG max. | 14 AWG |

Installation | Connection

| | |
|--------------------|--------------------|
| Connection | Screw terminals SK |
| Mounting set | M12 x 1 |
| Mating cycles min. | 100 |

Device protection | Electrical

| | |
|--|-------------------|
| Degree of protection (EN IEC 60529) | IP67 |
| Additional condition protection degree | inserted, screwed |
| Pollution Degree | 3 |
| Rated surge voltage | 1,5 kV |
| Material group (IEC 60664-1) | II |

Overvoltage category (EN 60950-1) III

Mechanical data | Material data

| | |
|--------------------------|-------------|
| Material housing | PA |
| Coating contact | gold plated |
| Material contact carrier | PA |

Mechanical data | Mounting data

| | |
|---------------------|----------------|
| Mounting method | Schraubgewinde |
| Clamping range min. | 8 mm |
| Clamping range max. | 13 mm |

Environmental characteristics | Climatic

| | |
|----------------------------|--------|
| Operating temperature min. | -40 °C |
| Operating temperature max. | 85 °C |

Important installation notes

| | |
|------------------------|---|
| Note on strain relief | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |
| Note on bending radius | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |