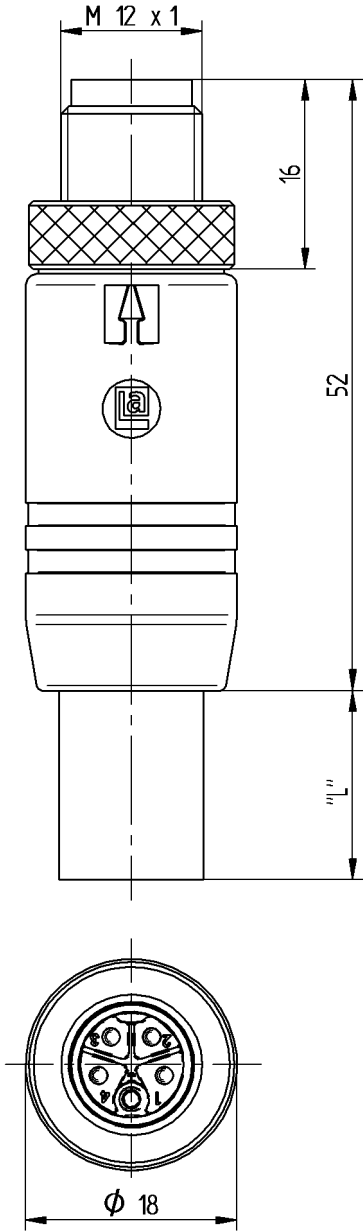
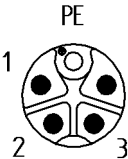
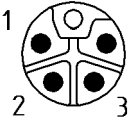


RoHS 



| Typ/<br>type | Standard - Kontaktbelegung/  |                             |
|--------------|--|-----------------------------|
|              | Polzahl/<br>number of poles  | Farbkennung/<br>colour code |
| RST(S) 5K... |    | 1 = schwarz 1/black 1       |
|              |  | 2 = schwarz 2/black 2       |
|              |  | 3 = schwarz 3/black 3       |
|              |  | 4 = schwarz 4/black 4       |
|              |  | PE = grünelb/green-yellow   |
| RST(S) 5L... |  | 1 = braun/brown             |
|              |  | 2 = weiß/white              |
|              |  | 3 = blau/blue               |
|              |  | 4 = schwarz/black           |
|              |  | FE = grau / grey            |

The information/details in this datasheet merely contain general descriptions or performance factors which, when applied in an actual situation, do not always correspond with the described form, and may be amended by way of the further development of products. The desired performance factors shall only be binding if these are expressly agreed on conclusion of the contract.



**Product description**

- M12 male shielded / unshielded connector with threaded joint and molded cable
- knurled screw with self-locking threaded joint
- Optional 360° shielding connected to knurled screw

|                      |  |
|----------------------|--|
| Type                 | RST(S) 5...., see standard products            |
| Order No             | see standard products                          |
| Type of contacts     | male   |
| Number of contacts   | 5 (4+PE);, K - Coding<br>5 (4+FE);, L - Coding |
| Standard             | IEC 61076-2-111                                |
| Construction type    | K-, L-coded                                    |
| Conductor size       | 2,5 mm <sup>2</sup>                            |
| Color contact bearer | K: blue<br>L: grey                             |

**Technical data**

|                               |   |
|-------------------------------|---|
| Clearance / Creepage distance | DIN EN 60664-1 (2008/01); VDE 0110-1                    |
| Rated voltage                 | see table, page 4                                       |
| Operating voltage             | 600 V ac/dc, K-Coding<br>50 V ac / 60 V dc, L-Kodierung |
| Rated current *               | 16 A; 2,5 mm <sup>2</sup>                               |
| Rated impulse voltage         | see table, page 4                                       |
| Pollution degree              | 3 acc. to DIN EN 60664-1 (VDE 0110-1)                   |
| Contact resistance            | ≤ 10 mΩ   |
| Insulation resistance         | > 10 <sup>9</sup> Ohm                                   |
| Mating cycles                 | max. 100  |

\* Notice derating

**Materials**

|                      |                    |
|----------------------|--------------------|
| Contact              | CuNi               |
| Contact plating      | Cu/Au              |
| Contact bearer       | PBT GF             |
| over molding         | TPE, blue or black |
| Coupling nut         | CuZn               |
| O-ring               | FKM                |
| Surface coupling nut | Cu/Ni              |
| Shielding sleeve     | CuZn, plating: Ni  |

**Environmental conditions**

|  |                                    |
|--|------------------------------------|
| Protection class (IEC 60529) *             | IP65, IP67, IP69                   |
| Protection class ISO 20653 (DIN 40050-9) * | IP69K                              |
| Temperature range (connector)              | -40 °C to +125 °C, notice derating |

\* only if mounted and locked in combination with Hirschmann / Lumberg connector.

**Flammability class**

|                |           |
|----------------|-----------|
| over molding   | UL 94 HB  |
| Contact bearer | UL 94 V-2 |

**Approvals**

VDE

DIN EN 61984: in preparation

UL

UL 2238 in preparation

**Cable-data**

Cabletype

see cable-datasheets

further types on request

**Additional technical data**

Fastening torque (coupling screw)

M 12x1: (60-65) Ncm

**Cutline**

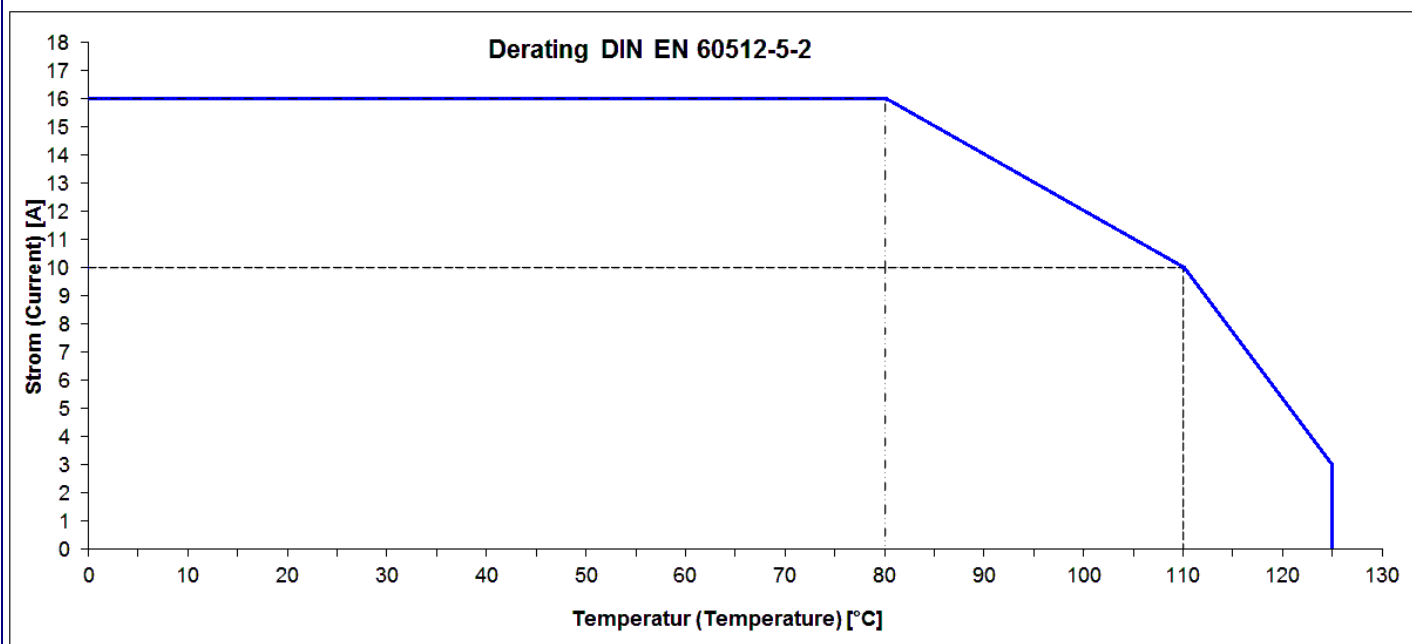
Do not connect / disconnect under load.

Caution hot!

Under power the surface of the connector can reach a temperature of more then 56 °C (144 °F).

The specified electrical and mechanical characteristics require a properly locked connector.

When the connetor is unlocked and in risk of pollution the connector has to be covered with a protective cap  $\geq$  IP54.



#### Standard products

| Artikel-No. | Type            | Rated voltage | Rated impulse voltage | Cable size           |
|-------------|-----------------|---------------|-----------------------|----------------------|
| 000-019-181 | RSTS 5K-921/5 M | 630 V         | 6,0 kV                | 2,50 mm <sup>2</sup> |
| 934-850-080 | RST 5L-950/30 M | 63 V          | 1,5 kV                | 2,50 mm <sup>2</sup> |
| 934-851-079 | RST 5L-950/20 M | 63 V          | 1,5 kV                | 2,50 mm <sup>2</sup> |