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Valve connectors, 4-position, Plug straight M12, A-coded, on Valve connector A (DESINA), with 1 LED, connected with Z diode







# Key commercial data

| Packing unit         | 11       |  |
|----------------------|----------|--|
| Custom tariff number | 85366990 |  |
| Country of origin    | Germany  |  |

# Technical data

#### Ambient conditions

| Ambient temperature (operation) | -25 °C 85 °C (valve plug) |
|---------------------------------|---------------------------|
| Degree of protection            | IP65                      |
|                                 | IP67                      |

#### General

| Rated current at 40°C        | 4 A                           |
|------------------------------|-------------------------------|
| Rated voltage                | 24 V AC/DC                    |
| Number of positions          | 4                             |
| Contact resistance           | $\leq 5 \text{ m}\Omega$      |
| Insulation resistance        | $\geq$ 100 M $\Omega$         |
| Coding                       | A - standard                  |
| Standards/regulations        | M12 connector IEC 61076-2-101 |
|                              | Valve connector EN 175301-803 |
| Status display               | Yellow LED                    |
| Protective circuit/component | Z diode                       |



# Technical data

#### General

| Surge voltage category      | II                       |
|-----------------------------|--------------------------|
| Pollution degree            | 3                        |
| Connection method           | M12 connector            |
| Insertion/withdrawal cycles | ≥ 100                    |
| Torque                      | 0.6 Nm (Valve connector) |

#### Material

| Inflammability class according to UL 94 | НВ                           |
|---|------------------------------|
| Contact material                        | CuSn                         |
| Contact surface material                | Ni/Au                        |
| Contact carrier material                | PA66                         |
| Valve plug contact material             | CuSn                         |
| Valve plug contact surface material     | Sn                           |
| Valve plug contact insert material      | PA 66                        |
| Material housing valve plug             | TPU                          |
| Material, knurls                        | Zinc die-cast, nickel-plated |
| Sealing material                        | TPU (Seal molded)            |

# Classifications

# eCl@ss

| eCl@ss 4.0 | 27250313 |
|------------|----------|
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27143423 |
| eCl@ss 5.1 | 27143423 |
| eCl@ss 6.0 | 27143423 |
| eCl@ss 7.0 | 27449001 |
| eCl@ss 8.0 | 27449001 |

# **ETIM**

| ETIM 4.0 | EC002062 |
|----------|----------|
| ETIM 5.0 | EC002062 |

# **UNSPSC**

| UNSPSC 6.01   | 31251501 |
|---------------|----------|
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |



# Classifications

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|---|-----|---|-----|---|-----|--------|
| ı | ,,, | N | . 7 | _ | . ¬ | ١.     |

| UNSPSC 13.2         | 31251501 |
|---------------------|----------|
| Approvals           |          |
| Approvals           |          |
| Approvals           |          |
| GL                  |          |
| Ex Approvals        |          |
| Approvals submitted |          |
| Approval details    |          |
| GL                  |          |

# Accessories

Accessories

Screwdriver tools

Screw insert - SF-BIT-PH 1-70 - 1212582



Screw bit, PH crosshead, E6.3-1/4" drive, size: PH 1 x 70 mm, hardened, suitable for holder according to DIN 3126-F6.3/ ISO 1173

# Torque tool

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm



# Accessories

# **Drawings**

# Schematic diagram



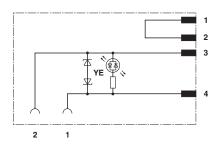
Pin assignment M12 plug, 4-pos., A-coded, view plug side

# Schematic diagram



Valve connector pin assignment, type A

#### Circuit diagram



Pin 1 / 2 = Diagnostics

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