

VK003D25

Connection technology • Cable sockets / connectors for self-assembly

Cable socket, Straight, Suitable for self-assembly, Quick connection, Ø6-8mm, 6A, 50V, -25-85°C, M12 Female (socket) 4pin, IP67



ipf cable sockets are used primarily for establishing the electrical connection of sensors. Their features are characterized by rugged design, the highest protection classes (IP67 | IP68 | IP69K) and, if desired, with 360° shielding. With the features: bus-ready, suitable for use with drag chains and robots, resistance to oil and chemicals, resistance to welding sparks, their resistance to cleaning agents or high-pressure and steam-jet cleaning, the expanded temperature range of up to +230°C, the rapid interconnection technology and special data transmission properties, the cable sockets meet all requirements in automation technology.

Electrical features

Type of plug-in contact, A connection	Female (socket)
Type of A electrical connection	M12
Type of B electrical connection	Quick connection
Number of pins of A connection	4
Ampacity	6 A
Operating voltage (AC 50Hz)	50 V
Operating voltage (DC)	50 V

Mechanical features

Wire cross section	0,34 - 0,75 mm ²
Cable infeed	straight
Coding of connection A	A
Degree of protection (IP)	IP67
Housing material	Polyamide PA
Contact body material	Brass
Permitted cable diameter	6 - 8 mm
Material of the screw fitting	Zinc diecast, nickel-plated (n-pltd)
Contact material	Latón
Ambient temperature	-25 - 85 °C

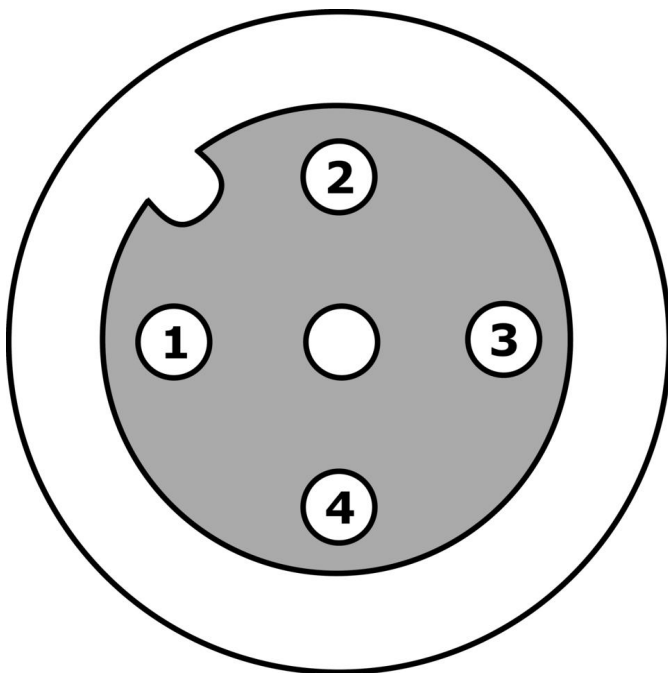
Classification

ETIM 8	EC001855 Assembled sensor-actuator cable
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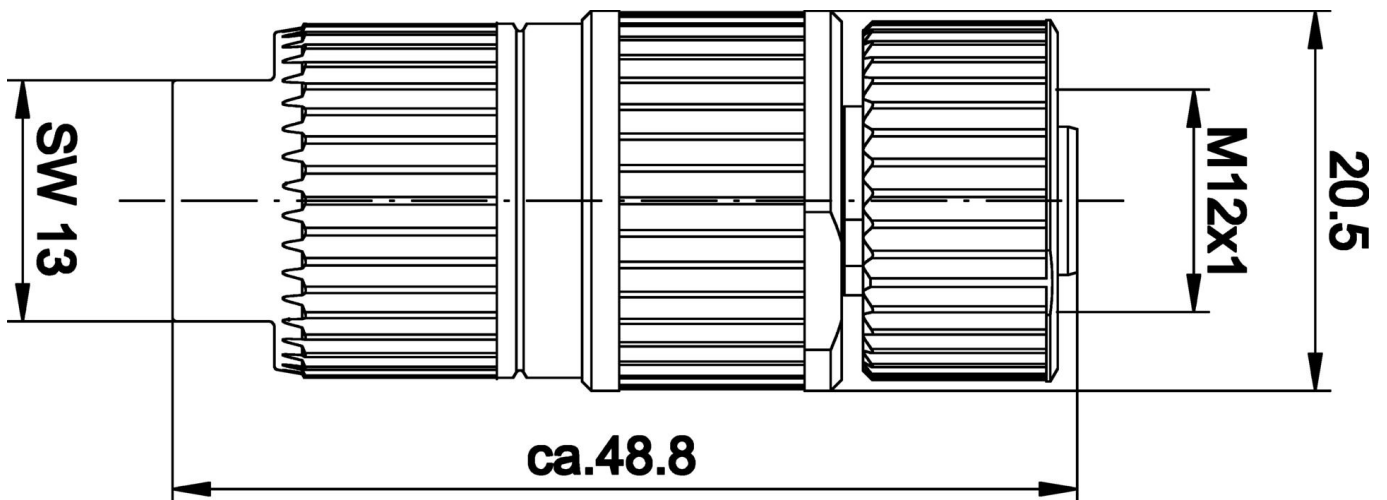
More

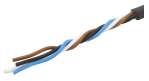
IPF Product Group	852 cable sockets / connectors (self-assembly)
packaging dimensions	120 x 100 x 20 mm
gross weight	36 g
Customs tariff number	85369010
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Dimensional drawing



Extract accessories program**AV000018**

Accessories, cable, 4x0.
34mm², PUR (polyurethane),
suitable for trailing chain, oils
and cooling lubricants, sold
by the meter

AV000118

Accessories, cable tail, 4x0.
34mm², PUR (polyurethane),
shield, suitable for trailing chain,
oils and cooling lubricants, sold by
the meter

AV000105

Accessories, cable tail, 3x0.
34mm², PUR (polyurethane), by
the meter

AV000120

Accessories, cable tail, 5x0.
34mm², PUR (polyurethane),
shield, suitable for trailing chain,
oils and cooling lubricants, by the
meter

AV000122

Accessories, cable tail, 5x0.
34mm², PUR (polyurethane),
equipment grounding conductor,
suitable for trailing chain, oils and
cooling lubricants, sold by the
meter

You can find further accessories on our homepage

**Installation**

Mounting / installation may only be carried
out by a qualified electrician!

**Disposal**

WEEE number according to § 6 para. 3
ElektroG: 40951076

Safety warnings

/ Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

/ Never use these devices in applications where the safety of a person depends on their functionality.