

VK50RF21

Connection technology • Cable sockets / connectors pre-assembled on two sides

Connection cable, 5m, M12 socket 4-pin angular, M12 connector 4-pin straight, 4x0.34mm², PUR (polyurethane) orange, Ø5.2mm, 250V, -40-90°C, IP69K, robotics, suitable for trailing chain and torsion resistant, oils and cooling lubricants, welding area, silicone-free



This connection cable has pre-wired connections on both sides. It can be used to cost-effectively integrate end devices with a plug connection via a distribution terminal or a logic module.

Electrical features

Type of plug-in contact, A connection	Female (socket)
Type of plug-in contact, B connection	Male (connector)
Type of A electrical connection	M12
Type of B electrical connection	M12
Number of pins of A connection	4
Number of pins of B connection	4
Operating voltage (AC 50Hz)	250 V
Operating voltage (DC)	250 V

Mechanical features

Number of cores	4
Conductor cross-section	0.34 mm ²
Cable sheath color	orange
Cable length	5 m
Cable infeed of A connection	angular
Cable infeed of B connection	straight
Maximum tightening torque of connection A	1 Nm
Maximum tightening torque of connection B	1 Nm
bending cycles	≥ 10 million cycles
Degree of protection (IP)	IP69K
Torsion cycles	+/-360°/m, ≥ 10 million cycles
Contact coating material	Gold
Material of cable sheath	Plastic (PUR)
Contact body material	Brass
Perm. ambient temperature of cable, fixed cable	-40 - 90 °C
Perm. ambient temperature of cable, flexible cable	-30 - 90 °C
Suitable for trailing chain	Yes
Seawater-resistant	Yes
Material of the screw fitting	Brass
Ambient temperature	-40 - 90 °C
Line diameter	5.2 mm

Other features

Flame retardant	in accordance with EN 60332-2-2
Halogen-free	Yes
Hydrolysis-proof	Yes
Free of LABS	Yes
Ozone and UV-resistant	Yes
Robotics	Yes
Suitable for trailing chain and torsion resistant	Yes
Welding area	Yes
Silicone-free	Yes
Acid and alkali-resistant	Yes
Oil and cooling lubricants	Yes

Classification

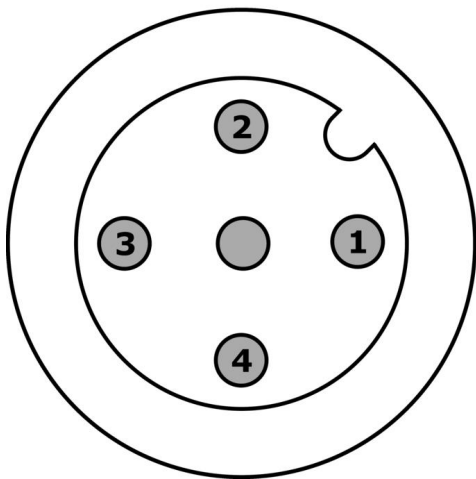
ETIM 8	EC001855 Assembled sensor-actuator cable
--------	--

More

IPF Product Group	851 cable sockets / connectors (both side ready made)
packaging dimensions	
gross weight	440 g
Customs tariff number	85444290
WEEE number	40951076
OzDS-compliant	Yes
POP-compliant	Yes
Reach-compliant	Yes
RoHS-compliant	Yes

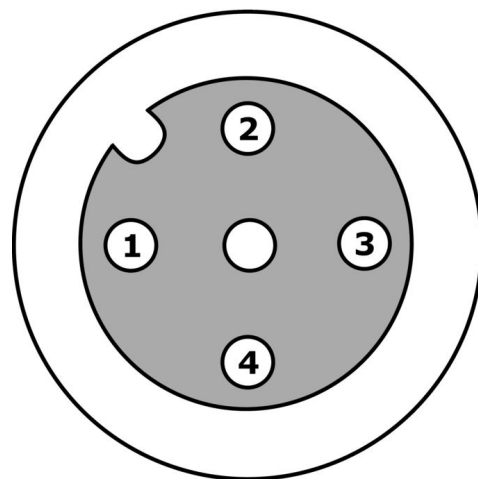
Connection

connector



- 1** brown
- 2** white
- 3** blue
- 4** black

socket



- 1** brown
- 2** white
- 3** blue
- 4** black

Extract accessories program

VK200021



Connection cable, 2m, M12
Female (socket) 3pin Angular, Free conductor end, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, 250V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

VK200025



Connection cable, 2m, M12
Female (socket) 3pin Straight, Free conductor end, 3x0.34mm², PUR (Polyurethane), Ø4.3mm, 250V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

AV000141



accessories cable socket, Mounting clip, 13.5mm, PPO, Packaging unit 5, Accessories for Cable socket/connector M12

AV98F001



AV98F002



Tool, wrench insert for torque wrench, SW13

AV000117



Labeling material, Label, 2, 1x30x4mm, Plastic PC, 34 identification labels

VK000004



Screw plug, M12x1.5, plastic, black

VK000007



distributor, 60x42x102mm, 10-30V DC, 4x M12, Hood distributor / pluggable trunk line connection 5pin, IP67, PBT, M20 x 1.5, With LED display

VK000037



Adaption, M12 Female (socket) 3pin Straight, M8 Male (connector) 3pin Straight, 24V, -25-85°C, IP67, Oil and cooling lubricants, Welding area

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.