

VK20E149

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

Connection cable, 2m, M12 socket 3-pin angular, Binder 680 connector 7-pin straight, 3x0.34mm², PUR (polyurethane) black, Ø4.3mm, -30-90°C, IP67, oils and cooling lubricants, welding area, silicone-free



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 plug-in contact, B connection	Male (connector)
Type of A electrical connection	M12
Type of B electrical connection	Binder 680
Line diameter	4.3mm
Number of pins of A connection	3
Number of pins of B connection	7

Mechanical features

Number of cores	3
Wire assembly	42 x 0.1mm
Conductor cross-section	0.34mm ²
Cable sheath color	black
Cable length	2m
Cable infeed of A connection	angular
Cable infeed of B connection	straight
Maximum tightening torque of connection A	0.5Nm
Degree of protection (IP)	IP67
Material of cable sheath	Plastic (PUR)
Perm. ambient temperature of cable, fixed cable	-30 - 90°C
Suitable for trailing chain	Yes

Other features

Flame retardant	No
Halogen-free	Yes
Welding area	Yes
Silicone-free	Yes
Oil and cooling lubricants	Yes
Version	Connection cable

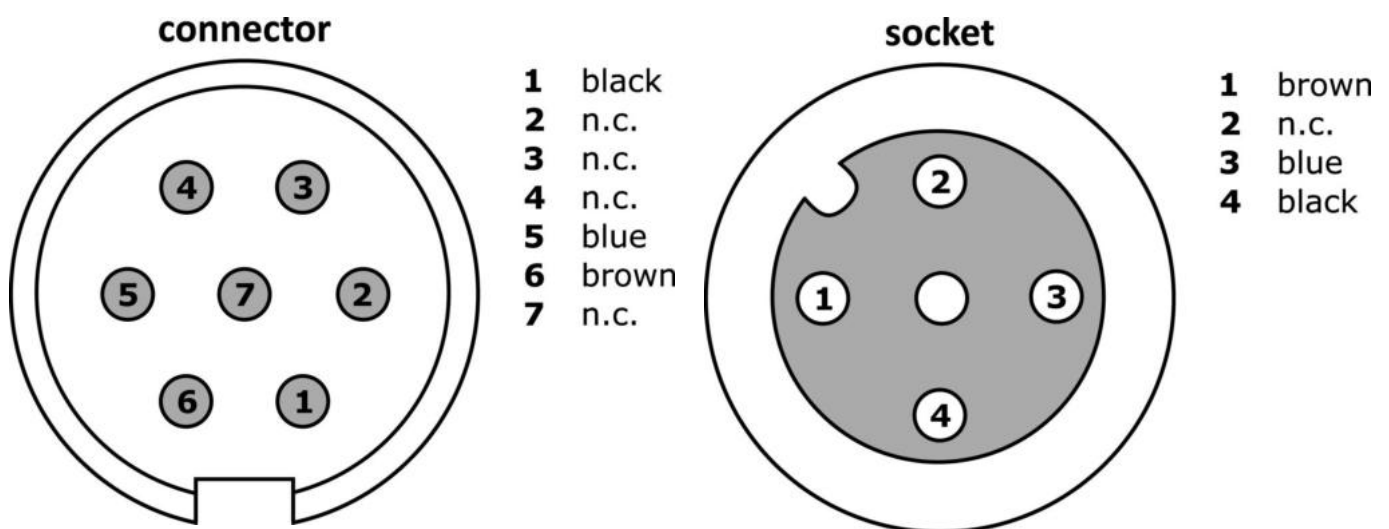
Classification

ETIM 8	EC001855 Assembled sensor-actuator cable
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More

IPF Product Group	856 cable socket / cable connector (diverse)
packaging dimensions	220 x 160 x 30 mm
gross weight	82 g
Customs tariff number	85444290
WEEE number	40951076
Reach-compliant	Yes
RoHS-compliant	Yes

Connection



Installation



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

Disposal



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.

For suitable connection and mounting accessories, please refer to our website www.ipf-electronic.com.

Dimensional drawing

