design **M8x1**
M12x1

version **straight**
angular

- ✓ **round pin connector with rapid interconnection technology**
- ✓ **M8 and M12 versions**
- ✓ **straight and angular versions**
- ✓ **easy assembly**
- ✓ **plastic and nickel-plated brass**

ready-made cut&clamp connection

description

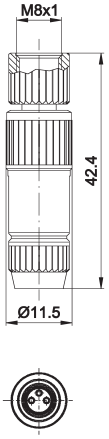
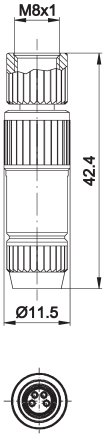
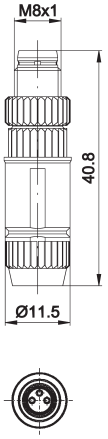
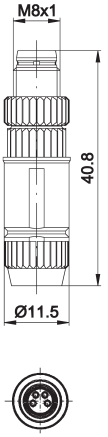
The tried and tested cut&clamp method of termination simplifies the connection of sensors and actuators.
The connection method allows the "on-site" connection of sensors, without having to deploy additional connectors. No special tools are needed for stripping the insulation off cables or for the screw fitting of components.
This allows preferred sensor types with a fixed cable length to be tailored individually in the field. There are no annoying excess cable loops to deal with, which also delivers savings in terms of time and costs. Multiple deployment is possible and the high requirements of protection class IP67 are complied with.

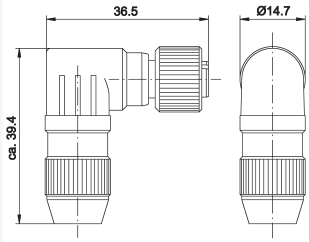
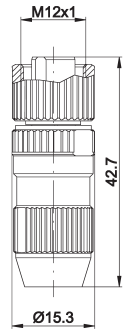
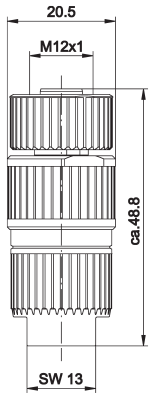
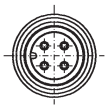
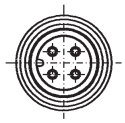
application examples

- ▶ pre-fabrication of connectors with fixed-cable devices or connection leads

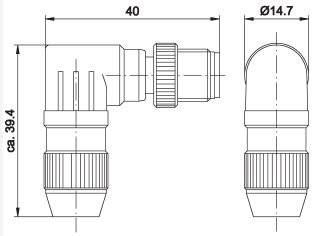
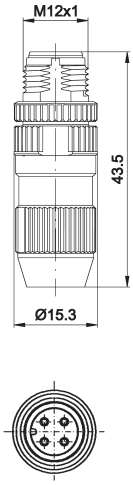
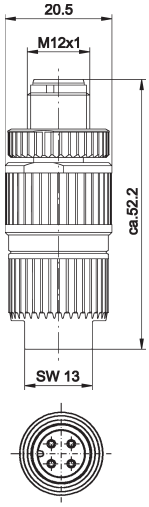
accessories

1300 cable sockets, cable connectors

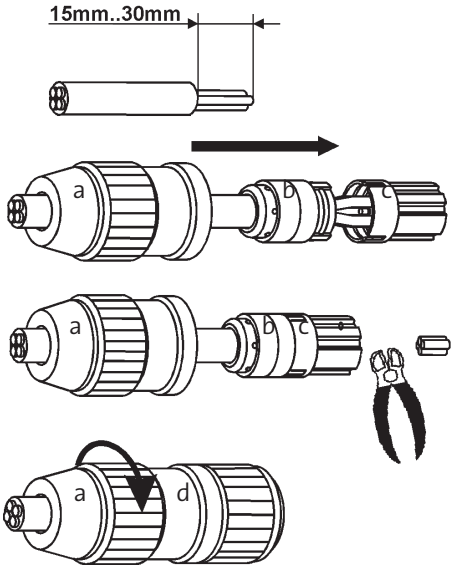
article-no.	VK003S74	VK003S75	VK003S78	VK003S79
version	M8-cable socket straight, 3-pin rapid interconnection	M8-cable socket straight, 4-pin rapid interconnection	M8-cable connector straight, 3-pin rapid interconnection	M8-cable connector straight, 4-pin rapid interconnection
				
TECHNICAL DATA				
rated voltage	32V DC	32V DC	32V DC	32V DC
rated current	4A	4A	4A	4A
wire diameter	0.14 ... 0.34mm²	0.14 ... 0.34mm²	0.14 ... 0.34mm²	0.14 ... 0.34mm²
strand diameter	≥ 0.1mm	≥ 0.1mm	≥ 0.1mm	≥ 0.1mm
wire isolation material	PVC	PVC	PVC	PVC
wire diameter	1.0 ... 1.6mm	1.0 ... 1.6mm	1.0 ... 1.6mm	1.0 ... 1.6mm
cable diameter	2.5 ... 5.1mm	2.5 ... 5.1mm	2.5 ... 5.1mm	2.5 ... 5.1mm
operating temperature	-25 ... +85°C	-25 ... +85°C	-25 ... +85°C	-25 ... +85°C
temp. when making the connect.	-5 ... +50°C	-5 ... +50°C	-5 ... +50°C	-5 ... +50°C
system of protection (EN 60529)	IP 67	IP 67	IP 67	IP 67
max. number of conections with identical cable diameters	10	10	10	10

article-no.	VK003D20	VK003S24	VK003D25
version	M12-cable socket angular, 4-pin rapid interconnection	M12-cable socket straight, 4-pin rapid interconnection	M12-cable socket straight, 4-pin rapid interconnection
			
			
TECHNICAL DATA			
rated voltage	32V DC	32V DC	50V DC
rated current	4A	4A	6A
wire diameter	0.25 ... 0.5mm²	0.14 ... 0.34mm²	0.34 ... 0.75mm²
strand diameter	≥ 0.1mm	≥ 0.1mm	≥ 0.1mm
wire isolation material	PVC	PVC	PVC
wire diameter	1.2 ... 1.6mm	1.0 ... 1.6mm	1.6 ... 2.0mm
cable diameter	4.0 ... 5.1mm	4.0 ... 5.1mm	6.0 ... 8.0mm
operating temperature	-25 ... +85°C	-25 ... +85°C	-25 ... +85°C
temp. when making the connect.	-5 ... +50°C	-5 ... +50°C	-5 ... +50°C
system of protection (EN 60529)	IP 67	IP 67	IP 67
max. number of conections with identical cable diameters	10	10	10

1300 cable sockets, cable connectors

article-no.	VK003D26	VK003S28	VK003D29
version	M12-cable socket angular, 4-pin rapid interconnection	M12-cable socket straight, 4-pin rapid interconnection	M12-cable socket straight, 4-pin rapid interconnection
			
TECHNICAL DATA			
rated voltage	32V DC	32V DC	50V DC
rated current	4A	4A	6A
wire diameter	0.25 ... 0.5mm²	0.14 ... 0.34mm²	0.34 ... 0.75mm²
strand diameter	≥ 0.1mm	≥ 0.1mm	≥ 0.1mm
wire isolation material	PVC	PVC	PVC
wire diameter	1.2 ... 1.6mm	1.0 ... 1.6mm	1.2 ... 2.0mm
cable diameter	4.0 ... 5.1mm	4.0 ... 5.1mm	6.0 ... 8.0mm
operating temperature	-25 ... +85°C	-25 ... +85°C	-25 ... +85°C
temp. when making the connect.	-5 ... +50°C	-5 ... +50°C	-5 ... +50°C
system of protection (EN 60529)	IP 67	IP 67	IP 67
max. number of conections with identical cable diameters	10	10	10

assembly instructions



Pull sheath of the cable back in such a way that the individual wires will be showing by about 30mm.

Push coupling ring (a) over the cable. Push cable support sleeve (b) over the cable to touch the sheath of the cable. Push the individual wires through the white fitting sleeve (c) matching the color coding.
Note: With cable sockets the fitting sleeve (c) is colored white and with cable plugs it is grey. As the pin order for sockets is opposite to that for plugs, then any inversion will lead to a short-circuit in the sensor that is connected.

Push fitting sleeve (c) onto cable support sleeve (b) cutting off protruding parts of the individual wires, if any.

Push male or female connector (d) onto the fitting sleeve (c). The fins have been provided for positioning. Screw coupling ring (a) down on male or female connector.

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