



Superior Clamping and Gripping



Product data sheet

Sensor distributor V

Easy. Flexible Compact.

V Sensor Distributor

For connecting many SCHUNK sensors (IN(K)/MMS(K) 22/MMS(K)22-PI1 etc.), and collecting respective sensor signals. In the versions 2-fold (V2), 4-fold (V4) and 8-fold (V8). V2-4P sensor distributor for connecting MMS22-PI2 and MMS-P22 sensors for dividing a four-pin M8 connector into two three-pin M8 connectors.

Field of application

Sensor distributors from SCHUNK are all-rounders, insensitive against vibrations, dust, and humidity. They are suitable for applications in clean and dirty environments.

Advantages – Your benefits

Operating display and switch indicator by LED for direct control of the switching status

A supply cable therefore it is ideal for signal feed-through

Robust TPU housing for a long service life



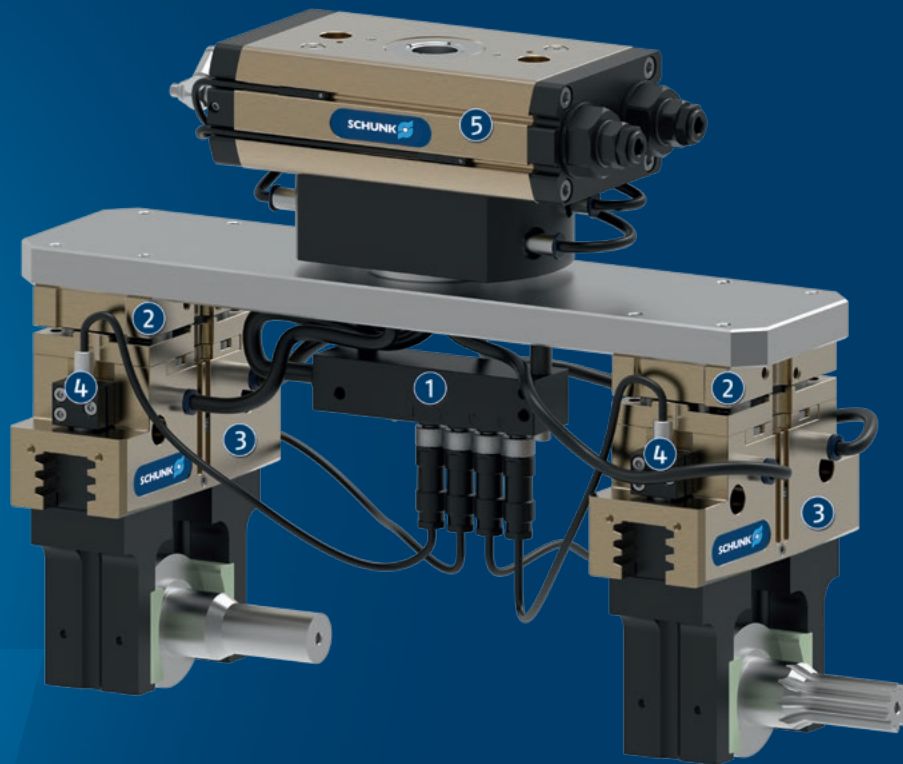
Options and special information

High protection class: IP67 when plugged in, for use in clean or dusty environments or in case of contact with water. Operability in case of contact with other media (coolant, acids, bases, etc.) is often given, however cannot be guaranteed by SCHUNK.

Materials used: Housing material used: PA 6 GF 30, black (except V2-4P/housing material: TPU); cable material used: PUR (cable coating)

Scope of delivery: Sensor distributor (except V2-4P) including seal plug for closing unused connections. Also comes with 1 set of inscription labels for individual labeling of the connections.

Application example



Handling tool for loading and unloading raw and finished parts and compensation of inaccurate position. A sensor distributor is used for routing signals through a cable.

① **Sensor distributor V4**

② **Tolerance compensation unit TCU-Z**

③ **Universal gripper PGN-plus-P**

④ **IN sensors**

⑤ **Universal rotary actuator SRM**

SCHUNK offers more ...

The following components make the product even more productive – the suitable addition for the highest functionality, flexibility, reliability, and controlled production.



Sensor cables



KBU/KST cable connector



MMS 22 sensor



Magnetic switch MMS 22-PI1

① For more information on these products can be found on the following product pages or at schunk.com.

V V2-4P

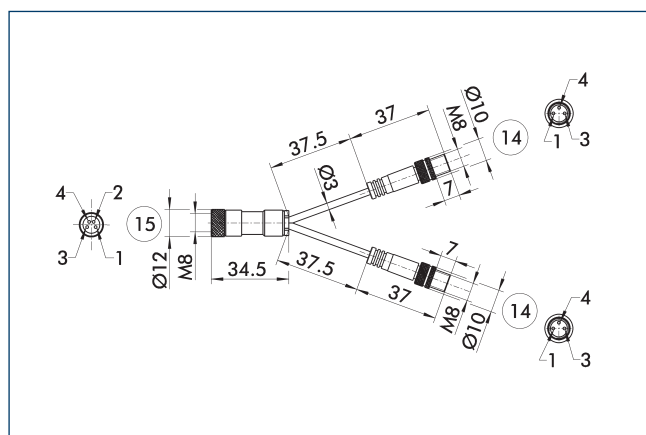
Sensor distributor



Technical data

Description		V2-M8-4P-2XM8-3P
ID		0301380
Connection socket		M8
Cable length	[m]	0.037
Nominal voltage	[V]	30
Max. current	[A]	4
Min./max. ambient temperature	[°C]	-25/80

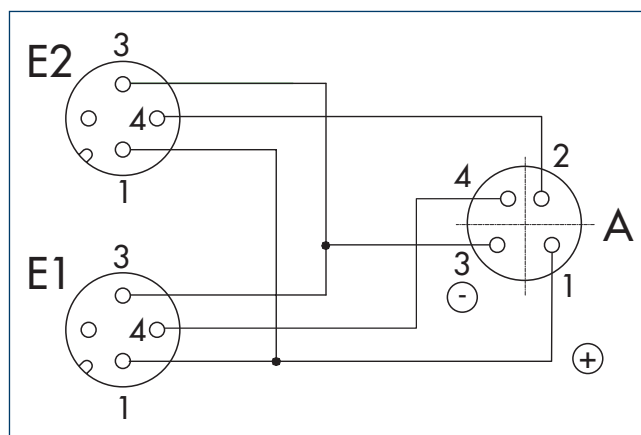
Main view V2-M8-4-2xM8-3



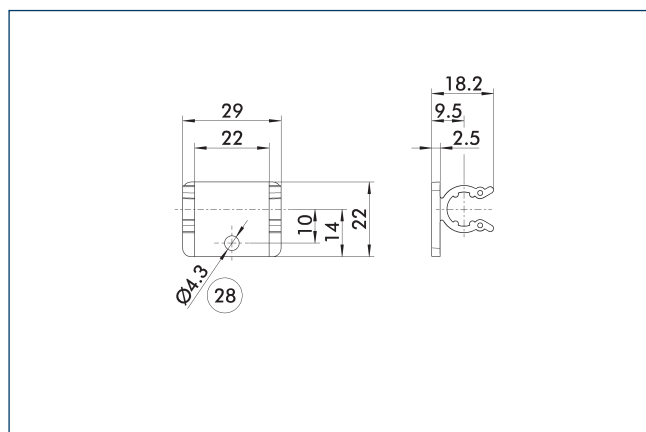
⑭ Connector

⑮ Socket

M8 wiring diagram



CLI-M8 main view



②⑧ Through-hole

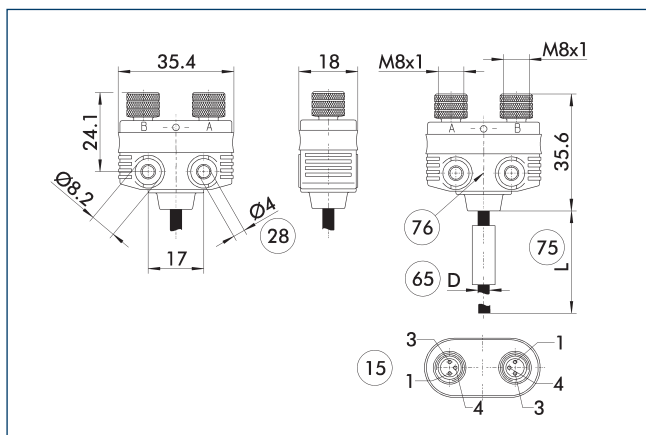
Description	ID	
Clip for connector/socket		
CLI-M8	0301463	



Technical data

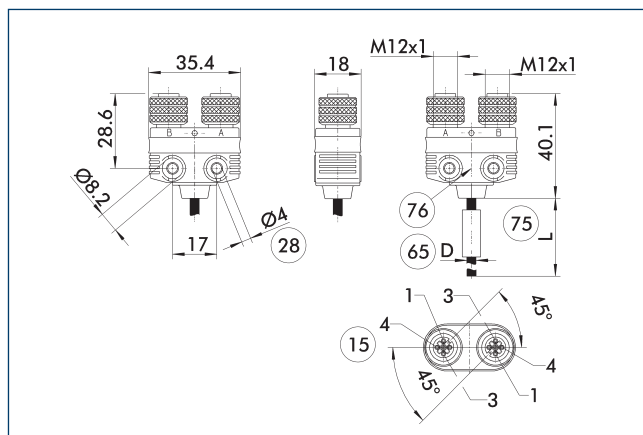
Description		V2-M8	V2-M12
ID		0301775	0301776
Connection socket		M8	M12
Cable length	[m]	3	3
Cable diameter	[mm]	4.5	4.5
Nominal voltage	[V]	24	24
Min. voltage	[V]	10	10
Max. voltage	[V]	30	30
Max. current per wire	[A]	2	2
Max. current	[A]	2	2
Min./max. ambient temperature	[°C]	-5/70	-5/70

V2-M8 main view



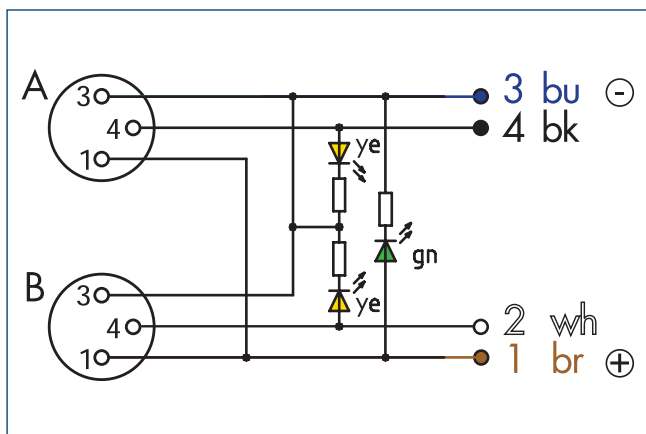
- 15 Socket
- 28 Through-hole
- 65 Cable diameter
- 75 Cable length
- 76 LED

V2-M12 main view

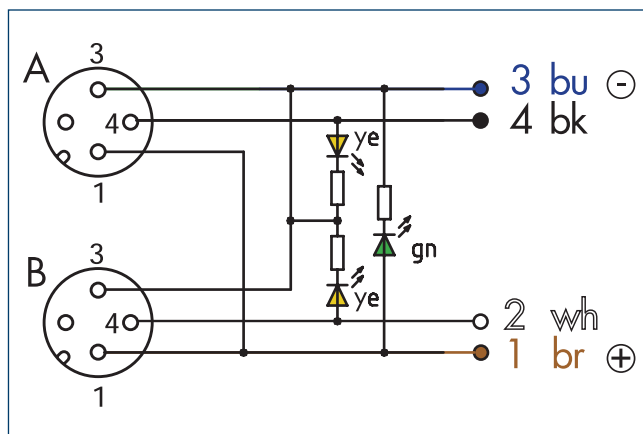


- 15 Socket
- 28 Through-hole
- 65 Cable diameter
- 75 Cable length
- 76 LED

M8 wiring diagram



M12 wiring diagram

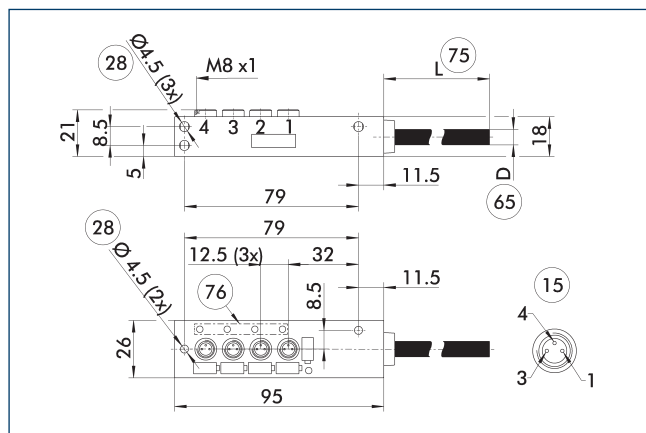




Technical data

Description		V4-M8
ID		0301746
Connection socket		M8
Cable length	[m]	5
Cable diameter	[mm]	7
Nominal voltage	[V]	24
Min. voltage	[V]	10
Max. voltage	[V]	30
Max. current per wire	[A]	2
Max. current	[A]	2

V4-M8 main view



⑮ Socket

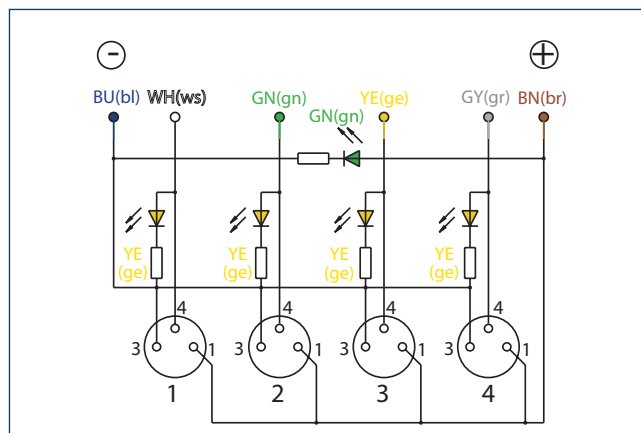
⑳ Through-hole

⑥⑤ Cable diameter

⑦⑤ Cable length

⑦⑥ LED

M8 wiring diagram

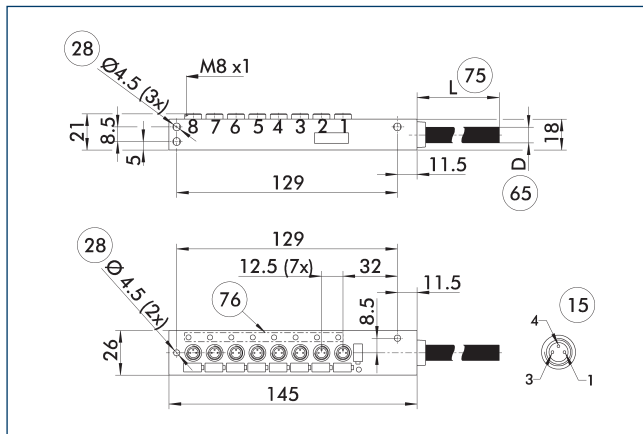




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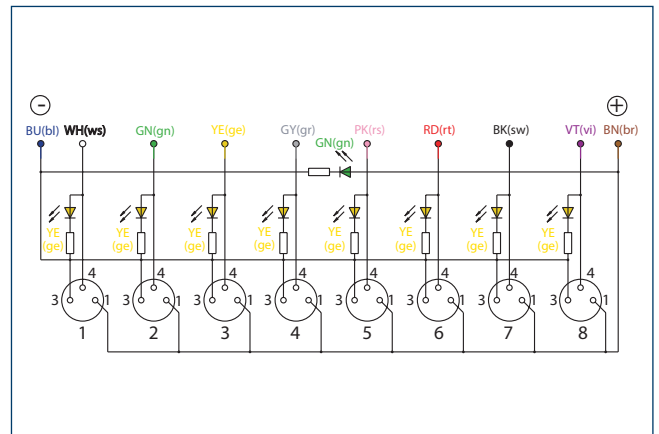
Description		V8-M8
ID		0301751
Connection socket		M8
Cable length	[m]	5
Cable diameter	[mm]	9.2
Nominal voltage	[V]	24
Min. voltage	[V]	10
Max. voltage	[V]	30
Max. current per wire	[A]	2
Max. current	[A]	2

V8-M8 main view



- 15 Socket
- 28 Through-hole
- 65 Cable diameter
- 75 Cable length
- 76 LED

M8 wiring diagram





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