



Hand in hand for tomorrow



Product data sheet

cable KV

Reliable. Compact. Flexible.

KV cable extensions

The SCHUNK KV cable extensions are excellently suitable for supplying SCHUNK components, and for leading signals.

Field of application

Cable extensions are used where electric connections between two components should be done without cable assembly

Advantages – Your benefits

Pre-assembled cable easy and fast wiring, without tool

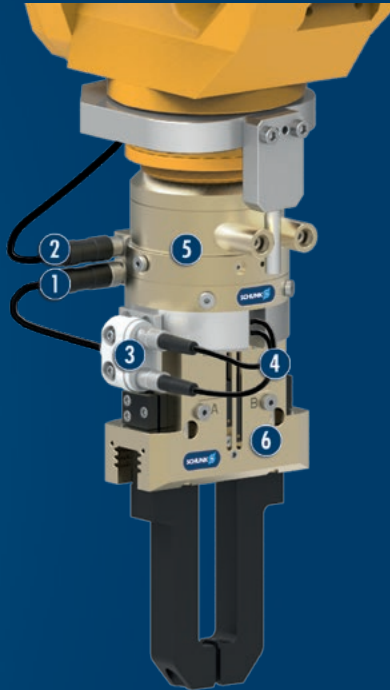
Standard plug connector for universal application



Options and special information

Compatibility: Can be troublefree combined with SCHUNK sensors, actuators, and sensor distributors.

Application example



① KST cable connector

② Cable extension

③ Sensor distributor

④ Magnetic switch MMS

⑤ Rotary feed-through DDF 2

⑥ Universal gripper PGN-plus

SCHUNK offers more ...

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



2-finger small components gripper



Sensor system



Sensor distributor

① For more information on these products can be found on the following product pages or at [schunk.com](https://www.schunk.com).

KV M8

cable

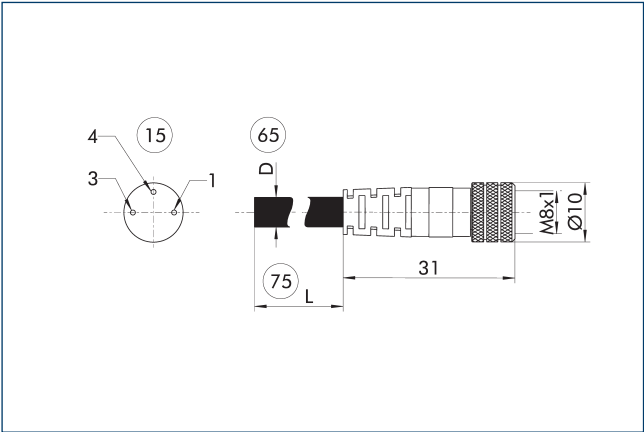


Technical data

Description		KV BG08-SG08 3P-0050	KV BG08-SG08 3P-0100	KV BW08-SG08 3P-0030-PNP	KV BW08-SG08 3P-0100-PNP	KV BW08-SG08 3P-0200-PNP	KV GGN0804-1204-IO- 00500-A
ID		0301598	0301599	0301495	0301496	0301497	1505830
Connection sensor side		Straight socket	Straight socket	Angled socket	Angled socket	Angled socket	Straight socket
Thread sensor sided		M8	M8	M8	M8	M8	M8
Angled connector, sensor side	[°]	0	0	90	90	90	0
Connector control cabinet side		Straight plug	Straight plug	Straight plug	Straight plug	Straight plug	Connector
Thread control cabinet sided		M8	M8	M8	M8	M8	M12
Angle control cabinet sided	[°]	0	0	0	0	0	0
Cable length	[m]	0.5	1	0.3	1	2	5
Number of wires		3	3	3	3	3	4
Wire cross section	[mm²]	0.25	0.25	0.25	0.25	0.25	0.34
Weight	[kg]	0.04	0.05	0.02	0.04	0.06	0.033
Max. current per wire	[A]	3	3	3	3	3	4
Max. current	[A]	3	3	3	3	3	4

Description		KV GGN0804-1204-IO- 01000-A	KV WGN0804-1204-IO- 00500-A	KV WGN0804-1204-IO- 01000-A	KV GGN0804-IO-00150-A	KV GGN0804-IO-00300-A
ID		1505832	1505803	1505806	1540662	1540663
Connection sensor side		Straight socket	Angled socket	Angled socket	Straight plug	Straight plug
Thread sensor sided		M8	M8	M8	M8	M8
Angled connector, sensor side	[°]	0	90	90	0	0
Connector control cabinet side		Connector	Connector	Connector	Straight socket	Straight socket
Thread control cabinet sided		M12	M12	M12	M8	M8
Angle control cabinet sided	[°]	0	0	0	0	0
Cable length	[m]	10	5	10	1.5	3
Number of wires		4	4	4	4	4
Wire cross section	[mm²]	0.34	0.34	0.34	0.25	0.25
Weight	[kg]	0.033				
Max. current per wire	[A]	4	4	4	0.5	0.5
Max. current	[A]	4	4	4	4	4

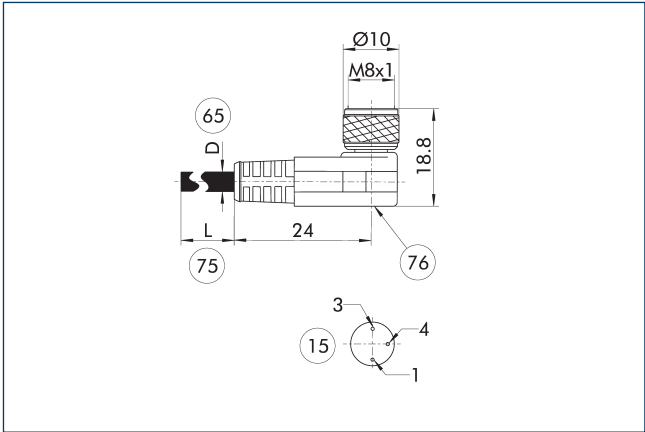
KA BG08-L 3P main view



- 15 Socket
65 Cable diameter
75 Cable length

The drawing shows the full version of the plug connector.

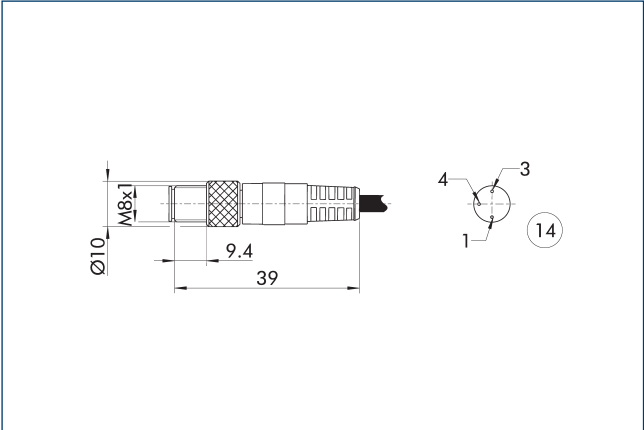
KV M8 socket angular



- 15 Socket
65 Cable diameter
75 Cable length
76 LED

The drawing shows the full version of the plug connector.

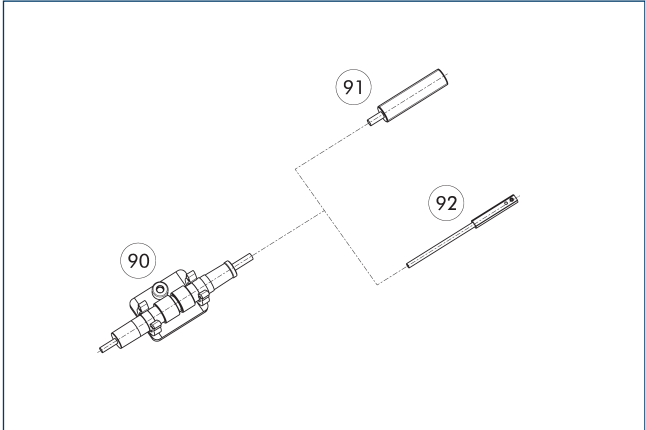
KC M8 plug straight



- 14 Connector

The drawing shows the full version of the plug connector.

Clip for connector/socket



- 90 CLI plug bracket
91 IN proximity switch
92 Magnetic switch MMS

The CLI clip is used for fastening and strain relief for the plug connectors. For example for the sensor and cable extension connection.

Description	ID	
Clip for connector/socket		
CLI-M8	0301463	

KV M12

cable

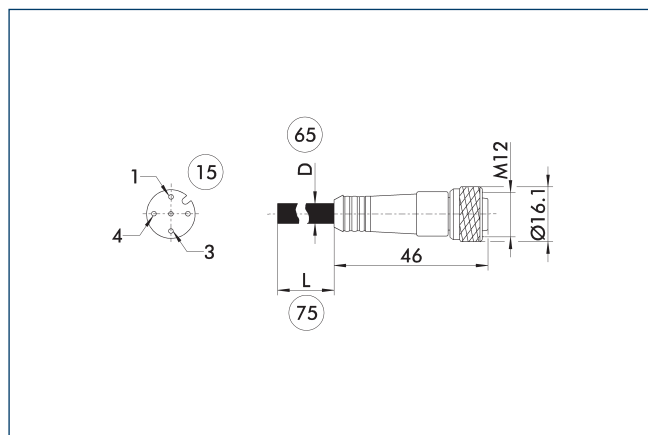


Technical data

Description		KV BG12-SG12 3P-0030-PNP	KV BG12-SG12 3P-0060-PNP	KV BW12-SG12 3P-0030-PNP	KV BW12-SG12 3P-0100-PNP	KV BW12-SG12 3P-0200-PNP	KV GGN1205-IOL-00200-A
ID		0301999	0301998	0301595	0301596	0301597	1387195
Connection sensor side		Straight socket	Straight socket	Angled socket	Angled socket	Angled socket	Straight socket
Thread sensor sided		M12	M12	M12	M12	M12	M12
Angled connector, sensor side	[°]	0	0	90	90	90	0
Connector control cabinet side		Straight plug	Straight plug	Straight plug	Straight plug	Straight plug	Straight plug
Thread control cabinet sided		M12	M12	M12	M12	M12	M12
Angle control cabinet sided	[°]	0	0	0	0	0	0
Cable length	[m]	0.3	0.6	0.3	1	2	2
Number of wires		3	3	3	3	3	5
Wire cross section	[mm²]	0.25	0.25	0.25	0.25	0.25	0.34
Weight	[kg]	0.04	0.05	0.05	0.08	0.13	0.101
Max. current per wire	[A]	4	4	4	4	4	4
Max. current	[A]	4	4	4	4	4	4

Description		KV GGN1205-IOL-00500-A	KV WGN1205-IOL-00200-A	KV WGN1205-IOL-00500-A
ID		1387199	1387202	1387205
Connection sensor side		Straight socket	Angled socket	Angled socket
Thread sensor sided		M12	M12	M12
Angled connector, sensor side	[°]	0	90	90
Connector control cabinet side		Straight plug	Straight plug	Straight plug
Thread control cabinet sided		M12	M12	M12
Angle control cabinet sided	[°]	0	0	0
Cable length	[m]	5	2	5
Number of wires		5	5	5
Wire cross section	[mm²]	0.34	0.34	0.34
Weight	[kg]	0.22	0.103	0.213
Max. current per wire	[A]	4	4	4
Max. current	[A]	4	4	4

KV M12 socket straight

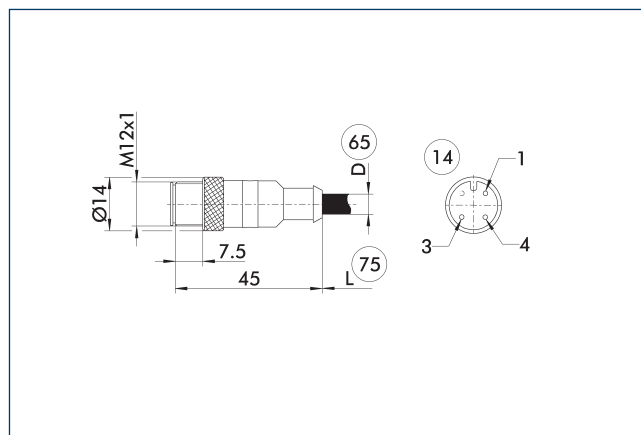


15 Socket

65 Cable diameter

75 Cable length

KV M12 plug straight

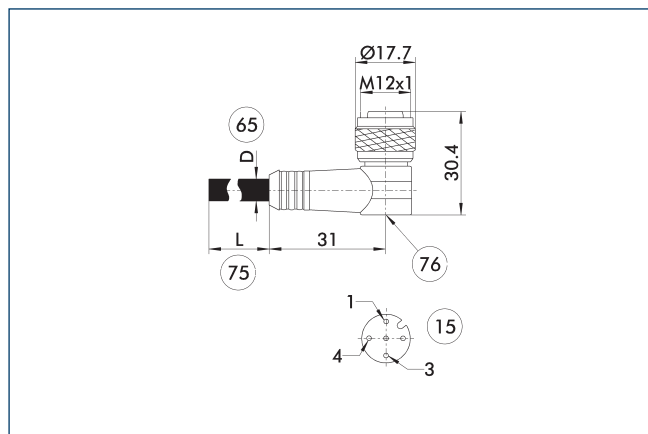


14 Connector

65 Cable diameter

75 Cable length

KV M12 socket angular



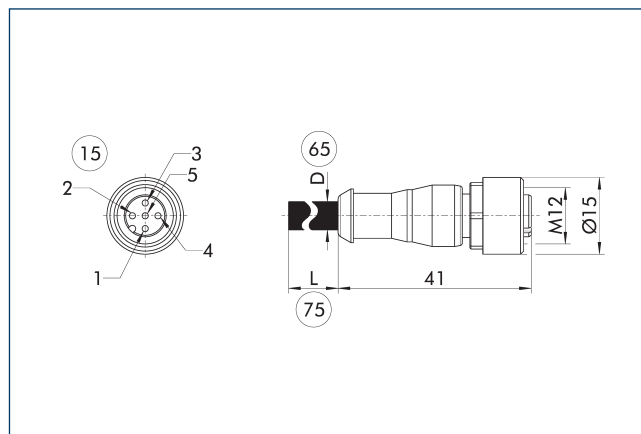
15 Socket

65 Cable diameter

75 Cable length

76 LED

Main view KV GGN1205

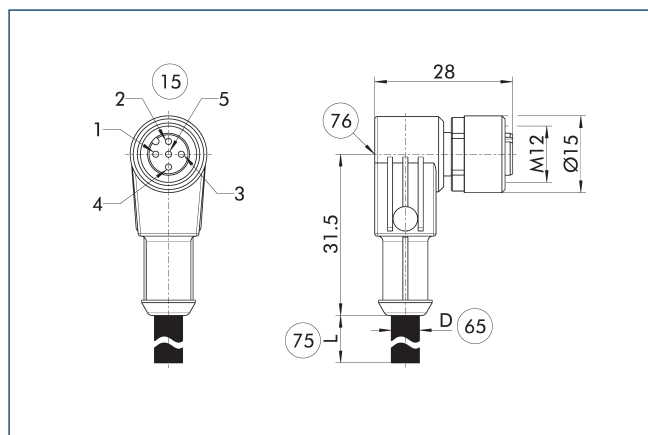


15 Socket

65 Cable diameter

75 Cable length

Main view KV WGN1205



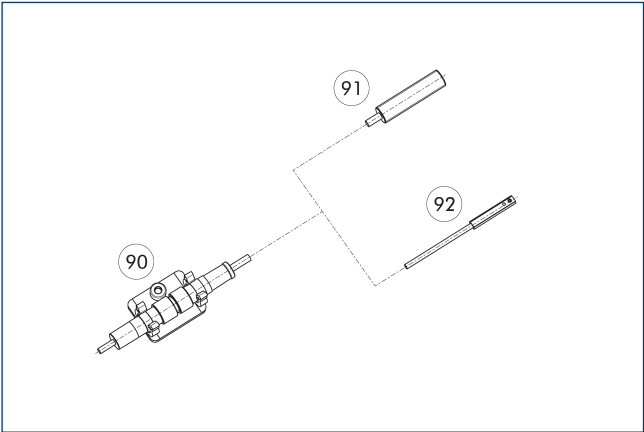
15 Socket

65 Cable diameter

75 Cable length

76 LED

Clip for connector/socket



- 90 CLI plug bracket
- 91 IN proximity switch
- 92 Magnetic switch MMS

The CLI clip is used for fastening and strain relief for the plug connectors. For example for the sensor and cable extension connection.

Description	ID	
Clip for connector/socket		
CLI-M12	0301464	



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