



Superior Clamping and Gripping



Product Information

cable KA

Easy. Robust. Compact.

KA connection cable

The SCHUNK KA connection cable is excellently suitable for supplying SCHUNK components, and for leading signals.

Field of application

The KA connection cables are used for every sensor, gripping, rotary and linear module, and also for numerous components in the robot accessories field.

Advantages – Your benefits

Industrial standard plug connector for fast and easy commissioning

Connection cable with open wire strands for individual design of connection cables



Options and special information

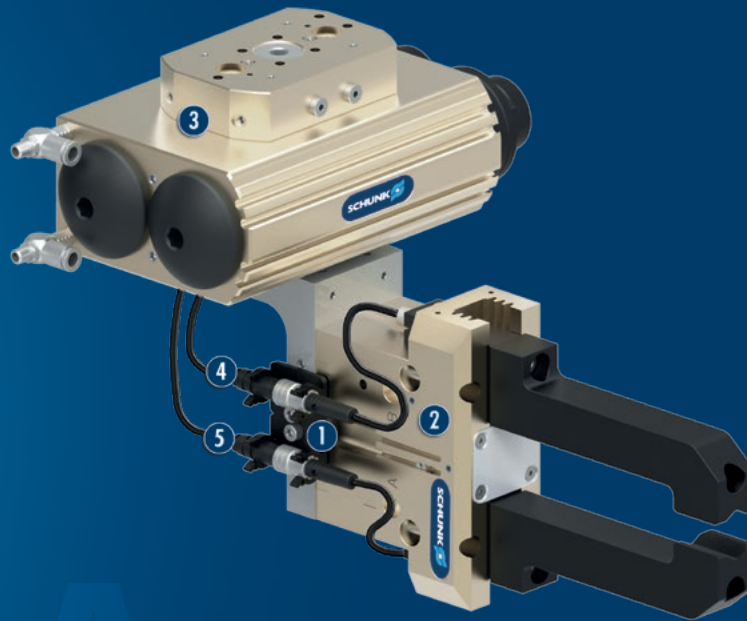
trouble-free combination with SCHUNK KBU/KST: therefore the connection cables can be adjusted to the suitable length and equipped with connectors.

Connections: straight or angled M8 – 4 pole connection plug on one side, open wire strands on the other

Standard lengths: 5.0/10.0 m:

Bending radius (7.5 times the cable diameter) must be observed.:

Application example



① clip for plug/socket

② 2-finger parallel gripper PGN-plus

④ KA connection cable

③ Rotary actuator SRU-plus

⑤ Cable extension

SCHUNK offers more ...

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



Rotary feed-through



Rotary unit

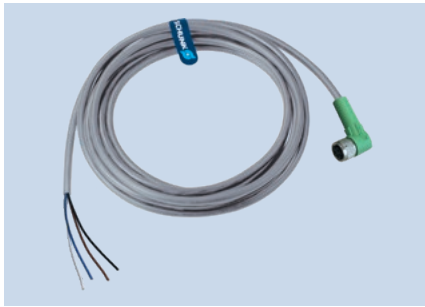


Sensor distributor

① For more information on these products can be found on the following product pages or at [schunk.com](https://www.schunk.com). Please contact us: SCHUNK technical hotline +49-7133-103-2696

KA M8

cable



Technical data

Characterization		KA GLN0804-IO- 00200-A	KA GLN0804-IO- 00500-A	KA GLN0804-IO- 01000-A	KA BG08-L 3P-0300-PNP	KA BW08-L 3P-0300-NPN	KA BW08-L 3P-0300-PNP
ID		1310371	1310375	1310379	0301622	0301602	0301594
Connection sensor side		Straight socket	Straight socket	Straight socket	Straight socket	Angled socket	Angled socket
Thread sensor sided		M8	M8	M8	M8	M8	M8
Angled connector, sensor side	[°]	0	0	0	0	90	90
Connector control cabinet side		open wire strands	open wire strands	open wire strands	open wire strands	open wire strands	open wire strands
Angle control cabinet sided	[°]	0	0	0	0	0	0
Cable length	[m]	2	5	10	3	3	3
Cable diameter D	[mm]	4.8	4.8	4.8	4.5	4.5	4.5
Number of wires		4	4	4	3	3	3
Wire cross section	[mm²]	0.34	0.34	0.34	0.14	0.14	0.14
Weight	[kg]	0.05	0.11	0.22	0.09	0.12	0.12
Max. current per wire	[A]	0.5	0.5	0.5	0.5	0.5	0.5
Max. current	[A]	4	4	4	0.5	0.5	0.5

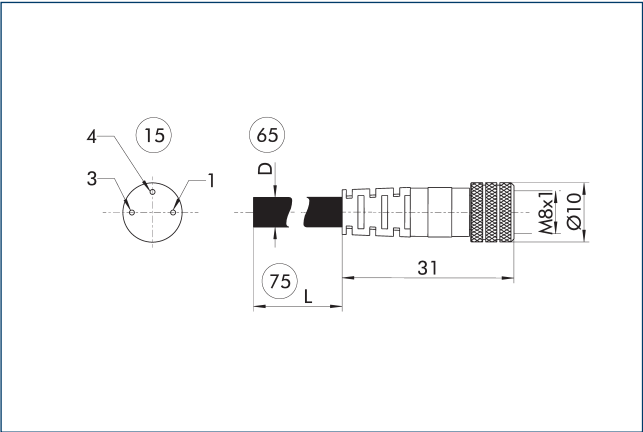
Characterization		KA BG08-L 3P-0500-PNP	KA BW08-L 3P-0500-NPN	KA BW08-L 3P-0500-PNP	KA WLN0804-IO- 00200-A	KA WLN0804-IO- 00500-A	KA WLN0804-IO- 01000-A
ID		0301623	9641116	0301502	1310372	1310376	1310381
Connection sensor side		Straight socket	Angled socket	Angled socket	Angled socket	Angled socket	Angled socket
Thread sensor sided		M8	M8	M8	M8	M8	M8
Angled connector, sensor side	[°]	0	90	90	90	90	90
Connector control cabinet side		open wire strands	open wire strands	open wire strands	open wire strands	open wire strands	open wire strands
Angle control cabinet sided	[°]	0	0	0	0	0	0
Cable length	[m]	5	5	5	2	5	10
Cable diameter D	[mm]	4.5	4.5	4.5	4.8	4.8	4.8
Number of wires		3	3	3	4	4	4
Wire cross section	[mm²]	0.14	0.14	0.14	0.34	0.34	0.34
Weight	[kg]	0.18	0.2	0.2	0.05	0.11	0.22
Max. current per wire	[A]	0.5	0.5	0.5	0.5	0.5	0.5
Max. current	[A]	0.5	0.5	0.5	4	4	4

Characterization		KA BG08-L 4P-0500	KA BW08-L 4P-0500	KA BG08-L 4P-1000	KA BW08-L 4P-1000
ID		0307767	0307765	0307768	0307766
Connection sensor side		Straight socket	Angled socket	Straight socket	Angled socket
Thread sensor sided		M8	M8	M8	M8
Angled connector, sensor side	[°]	0	90	0	90
Connector control cabinet side		open wire strands	open wire strands	open wire strands	open wire strands
Angle control cabinet sided	[°]	0	0	0	0
Cable length	[m]	5	5	10	10
Cable diameter D	[mm]	5	5	5	5
Number of wires		4	4	4	4
Wire cross section	[mm²]	0.24	0.24	0.24	0.24
Max. current	[A]	3	3	3	3

KA M8

cable

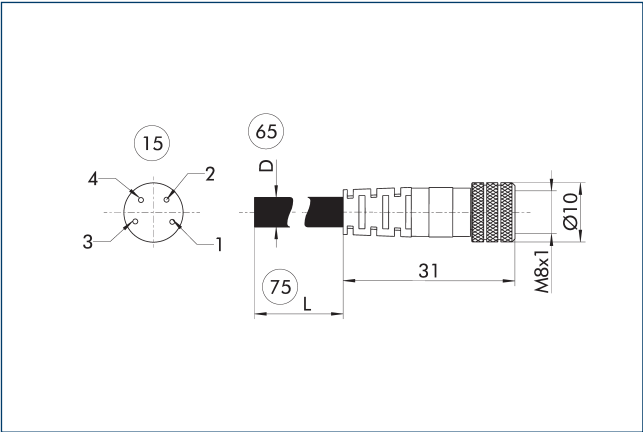
KA BG08-L 3P main view



- 15 Socket
- 65 Cable diameter
- 75 Cable length

The drawing shows the full version of the plug connector.

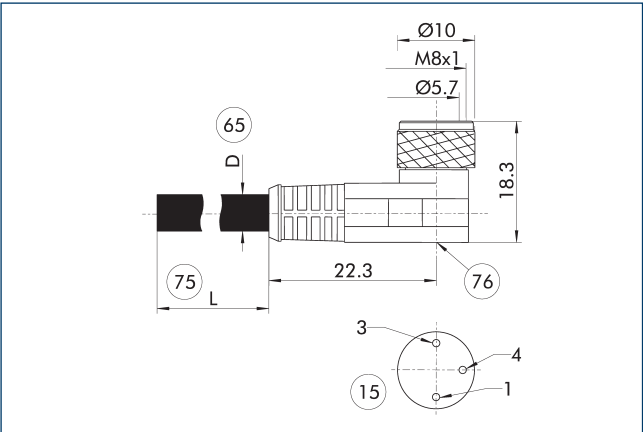
KA BG08-L 4P main view



- 15 Socket
- 65 Cable diameter
- 75 Cable length

The drawing shows the full version of the plug connector.

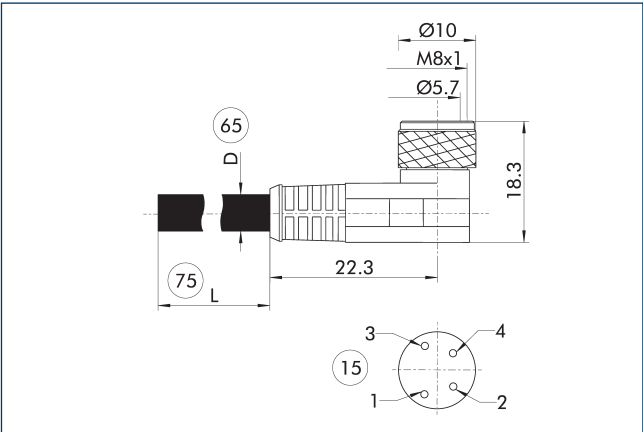
KA BW08-L 3P main view



- 15 Socket
- 65 Cable diameter
- 75 Cable length
- 76 LED

The drawing shows the full version of the plug connector.

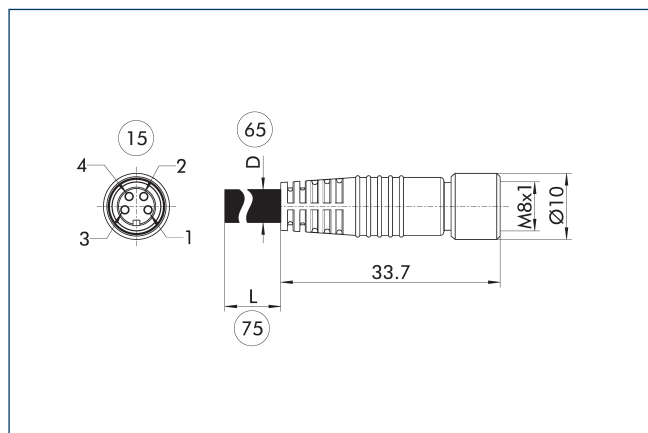
KA BW08-L 4P main view



- 15 Socket
- 65 Cable diameter
- 75 Cable length

The drawing shows the full version of the plug connector.

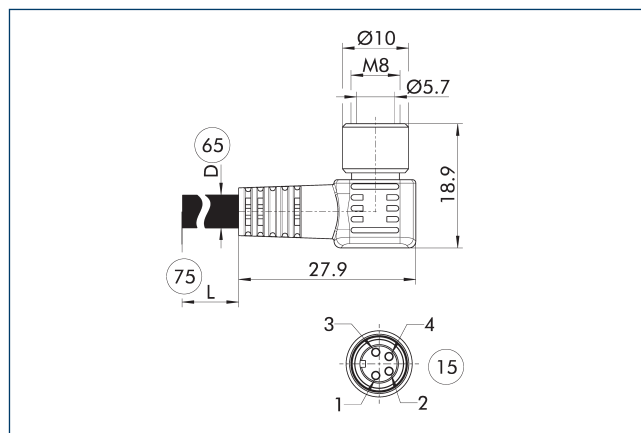
Main view KA GLN0804



- 15 Socket
- 65 Cable diameter
- 75 Cable length

The drawing shows the full version of the plug connector.

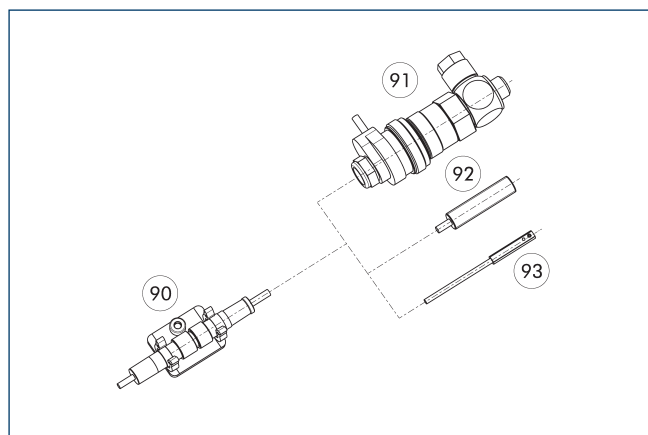
Main view KA WLN0804



- 15 Socket
- 65 Cable diameter
- 75 Cable length

The drawing shows the full version of the plug connector.

clip for plug/socket



- 90 CLI plug bracket
- 91 MV micro valve
- 92 IN proximity switch
- 93 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.

Characterization	ID	
clip for plug/socket		
CLI-M8	0301463	

KA M9

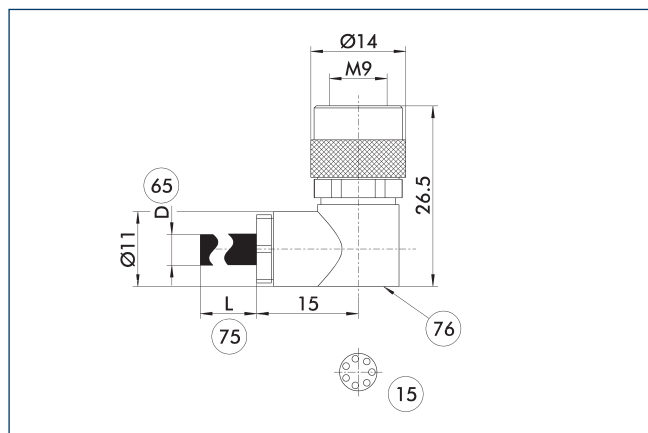
cable



Technical data

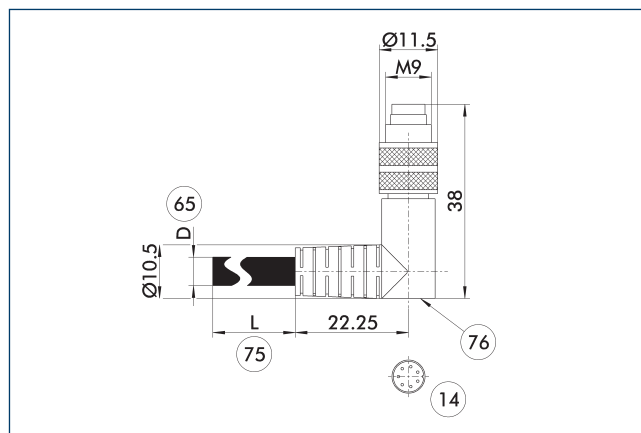
Characterization		KA BW9-L7P-0200	KA SW9-L7P-0200	KA BW9-L7P-0500	KA SW9-L7P-0500
ID		0323001	0323002	0323003	0323004
Connection sensor side		Angled socket	Angled plug	Angled socket	Angled plug
Angled connector, sensor side	[°]	90	90	90	90
Connector control cabinet side		open wire strands	open wire strands	open wire strands	open wire strands
Angle control cabinet sided	[°]	0	0	0	0
Cable length	[m]	2	2	5	5
Number of wires		7	7	7	7
Wire cross section	[mm²]	0.14	0.14	0.14	0.14
Max. current per wire	[A]	0.5	0.5	0.5	0.5
Max. current	[A]	0.5	0.5	0.5	0.5

Main view KA BW09-L7P



- 15 Socket
- 65 Cable diameter
- 75 Cable length
- 76 LED

Main view KA SW09-L7P



- 14 Connector
- 65 Cable diameter
- 75 Cable length
- 76 LED

KA M12

cable



Technical data

Characterization		KA GLN1205-IOL- 00500-A	KA GLN1205-IOL- 01000-A	KA GLN1208-IOL- 00200-A	KA GLN1208-IOL- 00500-A	KA GLN1208-IOL- 01000-A	KA WLN1205-IOL- 00500-A
ID		1387207	1387209	1395458	1395471	1395479	1387210
Connection sensor side		Straight socket	Straight socket	Straight socket	Straight socket	Straight socket	Angled socket
Thread sensor sided		M12	M12	M12	M12	M12	M12
Angled connector, sensor side	[°]	0	0	0	0	0	90
Connector control cabinet side		open wire strands	open wire strands	open wire strands	open wire strands	open wire strands	open wire strands
Angle control cabinet sided	[°]	0	0	0	0	0	0
Cable length	[m]	5	10	2	5	10	5
Cable diameter D	[mm]	4.8	4.8	6	6	6	4.8
Number of wires		5	5	8	8	8	5
Wire cross section	[mm²]	0.34	0.34	0.25	0.25	0.25	0.34
Weight	[kg]	0.211	0.41	0.1	0.23	0.46	0.195
Max. current per wire	[A]	4	4				4
Max. current	[A]	20	20	2	2	2	20

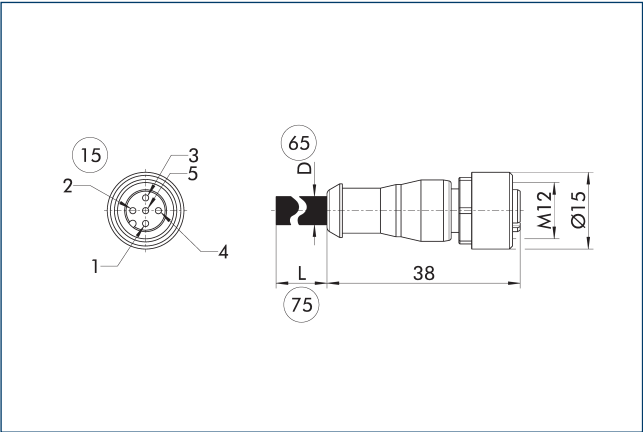
Characterization		KA WLN1205-IOL- 01000-A	KA WLN1208-IOL- 00200-A	KA WLN1208-IOL- 00500-A	KA WLN1208-IOL- 01000-A	KA BG12-L 3P-0500-PNP	KA BW12-L 3P-0500-PNP
ID		1387211	1395482	1395483	1395485	30016369	0301507
Connection sensor side		Angled socket	Angled socket	Angled socket	Angled socket	Straight socket	Angled socket
Thread sensor sided		M12	M12	M12	M12	M12	M12
Angled connector, sensor side	[°]	90	90	90	90		
Connector control cabinet side		open wire strands	open wire strands	open wire strands	open wire strands	open wire strands	open wire strands
Angle control cabinet sided	[°]	0	0	0	0	0	0
Cable length	[m]	10	2	5	10	5	5
Cable diameter D	[mm]	4.8	6	6	6		
Number of wires		5	8	8	8	3	3
Wire cross section	[mm²]	0.34	0.25	0.25	0.25	0.14	0.14
Weight	[kg]	0.412	0.11	0.23	0.46	0.18	0.2
Max. current per wire	[A]	4				0.5	0.5
Max. current	[A]	20	2	2	2	0.5	0.5

Characterization		KA BW12-L 3P-0300-PNP
ID		0301503
Connection sensor side		Angled socket
Thread sensor sided		M12
Connector control cabinet side		open wire strands
Angle control cabinet sided	[°]	0
Cable length	[m]	3
Number of wires		3
Wire cross section	[mm²]	0.14
Weight	[kg]	0.14
Max. current per wire	[A]	0.5
Max. current	[A]	0.5

KA M12

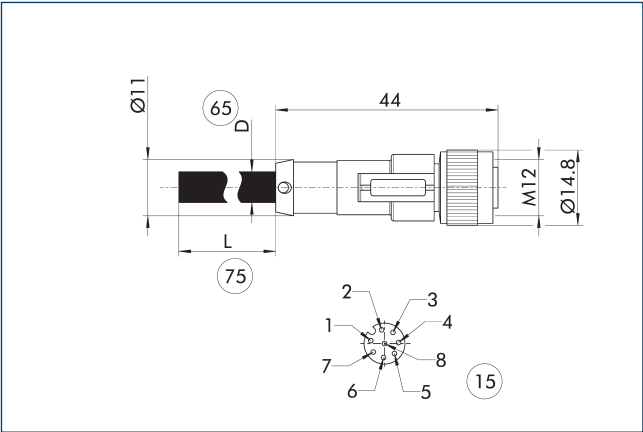
cable

Main view KA GLN1205



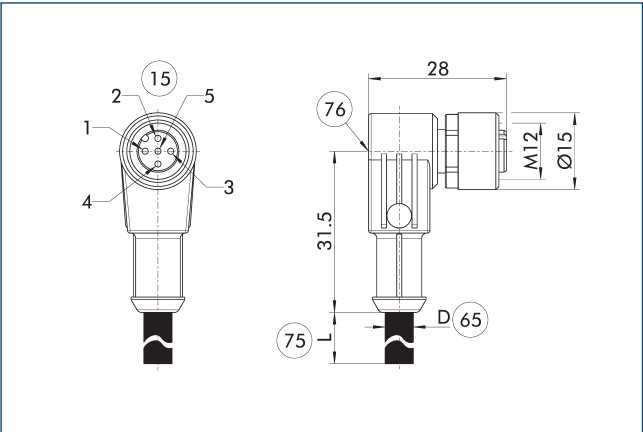
- 15 Socket
- 65 Cable diameter
- 75 Cable length

Main view KA GLN1208



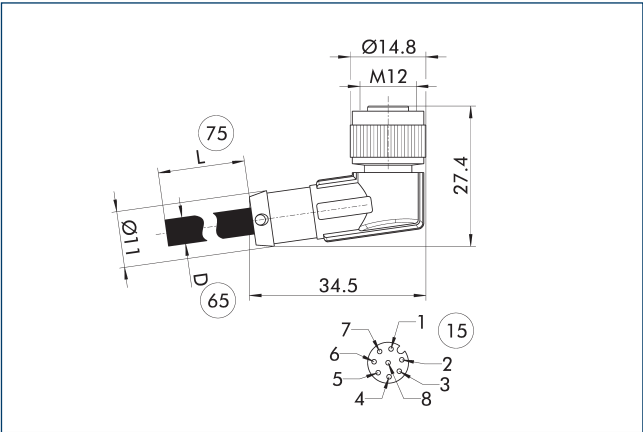
- 15 Socket
- 65 Cable diameter
- 75 Cable length

Main view KA WLN1205



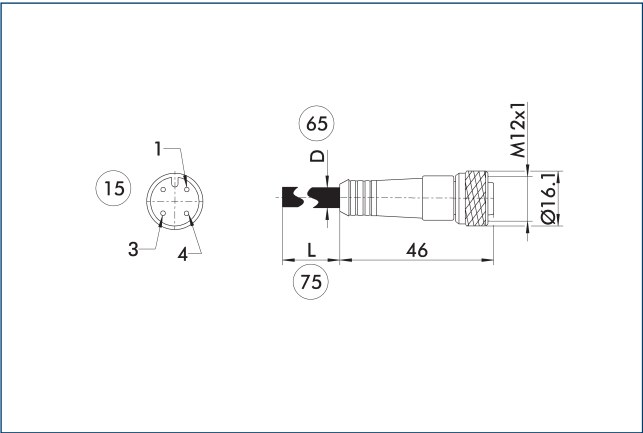
- 15 Socket
- 65 Cable diameter
- 75 Cable length
- 76 LED

Main view KA WLN1208



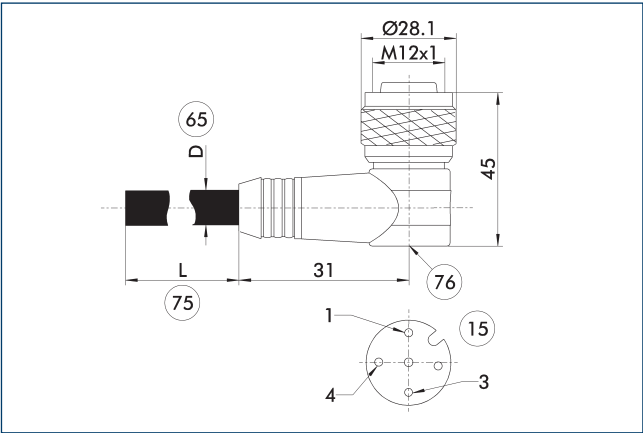
- 15 Socket
- 65 Cable diameter
- 75 Cable length

KA BG12-L 3P main view



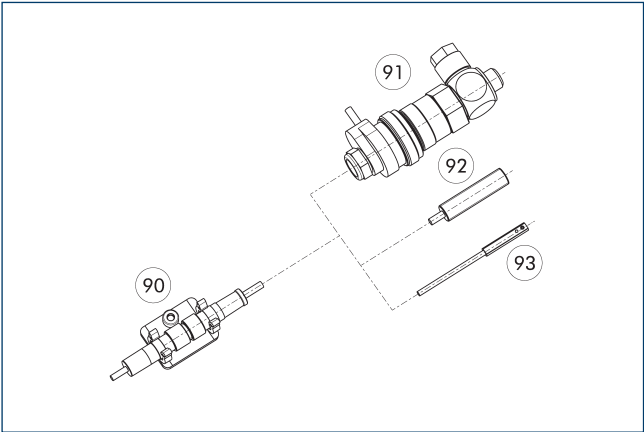
- 15 Socket
- 65 Cable diameter
- 75 Cable length

KA BW12-L 3P main view



- 15 Socket
- 65 Cable diameter
- 75 Cable length
- 76 LED

clip for plug/socket



- 90 CLI plug bracket
- 91 MV micro valve
- 92 IN proximity switch
- 93 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.

Characterization	ID	
clip for plug/socket		
CLI-M12	0301464	

KA M12T

cable

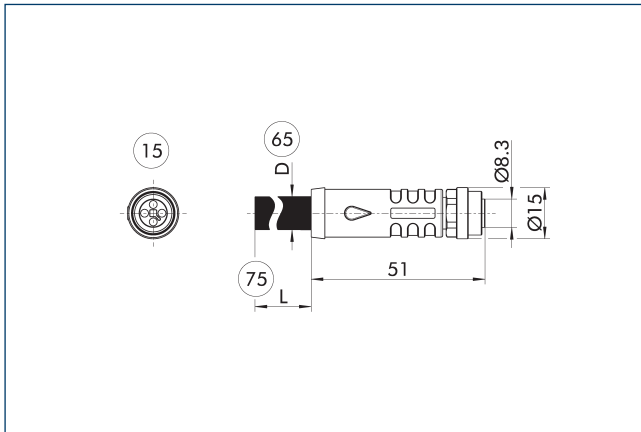


Technical data

Characterization		KA GLN12T0150-LK- 00500-A	KA GLN12T0150-LK- 01000-A	KA GLN12T0250-LK- 00500-A	KA GLN12T0250-LK- 01000-A	KA WLN12T0150-LK- 00500-A	KA WLN12T0150-LK- 01000-A
ID		0310262	0310264	0310266	0310268	0310263	0310265
Connection sensor side		Straight socket	Straight socket	Straight socket	Straight socket	Angled socket	Angled socket
Thread sensor sided		M12 T-coded	M12 T-coded	M12 T-coded	M12 T-coded	M12 T-coded	M12 T-coded
Angled connector, sensor side	[°]	0	0	0	0	90	90
Connector control cabinet side		open wire strands	open wire strands	open wire strands	open wire strands	open wire strands	open wire strands
Angle control cabinet sided	[°]	0	0	0	0	0	0
Cable length	[m]	5	10	5	10	5	10
Cable diameter D	[mm]	9.6	9.6	11	11	9.6	9.6
Number of wires		4	4	4	4	4	4
Wire cross section	[mm²]	1.5	1.5	2.5	2.5	1.5	1.5
Max. current per wire	[A]	0.5	0.5	0.5	0.5	0.5	0.5
Max. current	[A]	0.5	0.5	0.5	0.5	0.5	0.5

Characterization		KA WLN12T0250-LK-00500-A	KA WLN12T0250-LK-01000-A
ID		0310267	0310269
Connection sensor side		Angled socket	Angled socket
Thread sensor sided		M12 T-coded	M12 T-coded
Angled connector, sensor side	[°]	90	90
Connector control cabinet side		open wire strands	open wire strands
Angle control cabinet sided	[°]	0	0
Cable length	[m]	5	10
Cable diameter D	[mm]	11	11
Number of wires		4	4
Wire cross section	[mm²]	2.5	2.5
Max. current per wire	[A]	0.5	0.5
Max. current	[A]	0.5	0.5

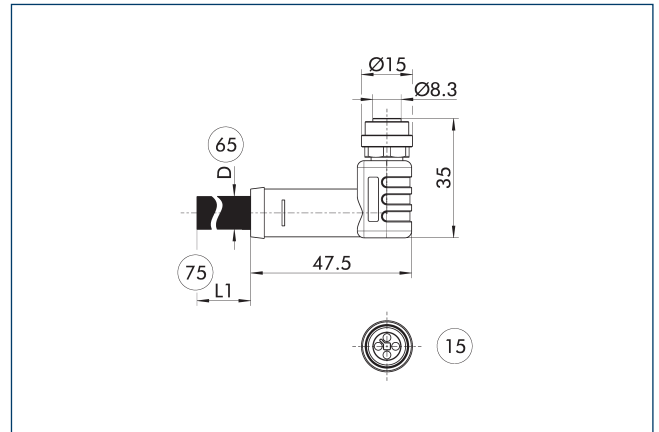
Main view KA GLN12T



- ①⑤ Socket
- ⑥⑤ Cable diameter

- ⑦⑤ Cable length

Main view KA WLN12T

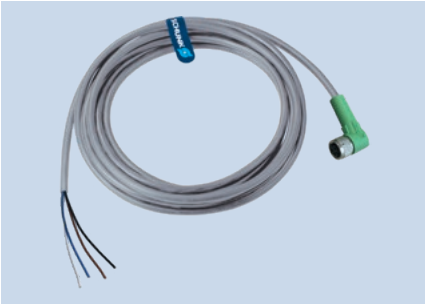


- ①⑤ Socket
- ⑥⑤ Cable diameter

- ⑦⑤ Cable length

KA M16

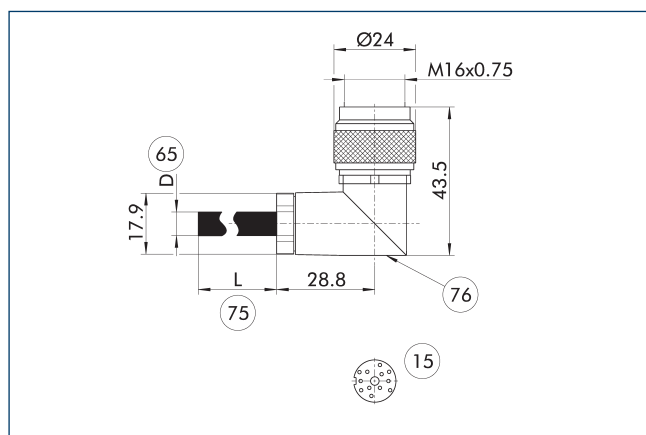
cable



Technical data

Characterization		KA BW16-L 12P-0500	KA SW16-L 12P-0500	KA BG16-L 12P-1000
ID		0323005	0323006	0301801
Connection sensor side		Angled socket	Angled plug	Straight socket
Angled connector, sensor side	[°]	90	90	0
Connector control cabinet side		open wire strands	open wire strands	open wire strands
Angle control cabinet sided	[°]	0	0	0
Cable length	[m]	5	5	10
Cable diameter D	[mm]	7.6	7.6	7.6
Number of wires		12	12	12
Wire cross section	[mm²]	0.14	0.14	0.14
Weight	[kg]	0.34	0.34	0.68
Max. current per wire	[A]	0.5	0.5	0.5
Max. current	[A]	0.5	0.5	0.5

Main view KA BW16-L-12P



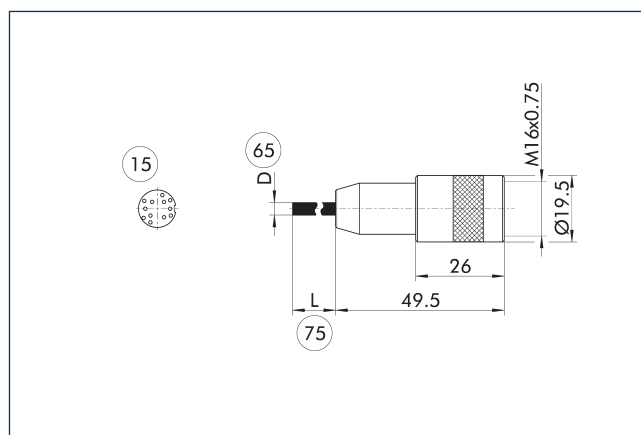
15 Socket

65 Cable diameter

75 Cable length

76 LED

Main view KA BG16-L-12P

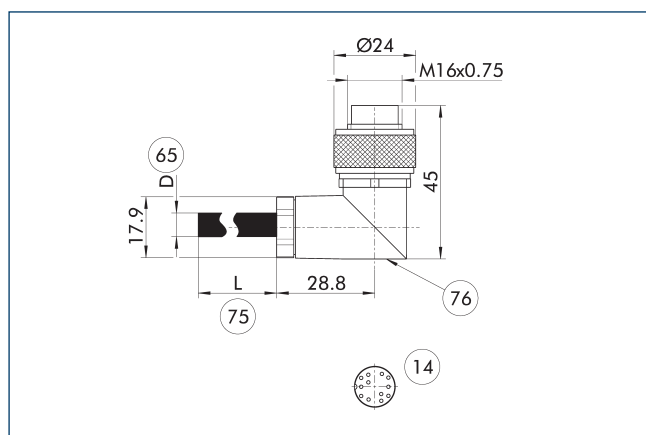


15 Socket

65 Cable diameter

75 Cable length

Main view KA SW 16-L-12P



14 Connector

65 Cable diameter

75 Cable length

76 LED

SCHUNK GmbH & Co. KG
Spann- und Greiftechnik

Bahnhofstr. 106 - 134
D-74348 Lauffen/Neckar
Tel. +49-7133-103-0
Fax +49-7133-103-2399
info@de.schunk.com
schunk.com

Follow us

