

Sensors, Series ST6



AVENTICS™

**AVENTICS Series ST6 Magnetic
proximity sensors**


EMERSON™

Sensors, Series ST6

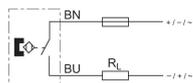
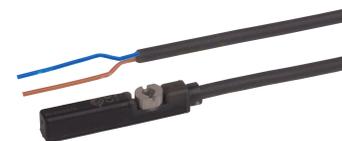
The AVENTICS Series ST6 sensors are suitable for mounting in the 6 mm T-slot as well as sensor mounting to the cylinder. They are suited for mounting to all AVENTICS round cylinders, tie rod cylinders, and profile cylinders. With their optimized, compact shape, the sensors can be flush-fit into existing slots and integrated into any machine environment, even with sensor mounting. Retaining ribs on the side of the sensor enable simple mounting, including in hard-to-reach locations or for overhead assembly. The durable mounting screw holds the sensor in the desired position and can withstand shocks or vibrations.

- Universal sensors for the standardized 6 mm nut
- Mounting from above in the nut ("drop-in" mounting)
- Wide range of versions with different line lengths and connections
- Combined mounting screw with hexagon socket and slotted screw
- ATEX versions available
- High and low temperature versions available



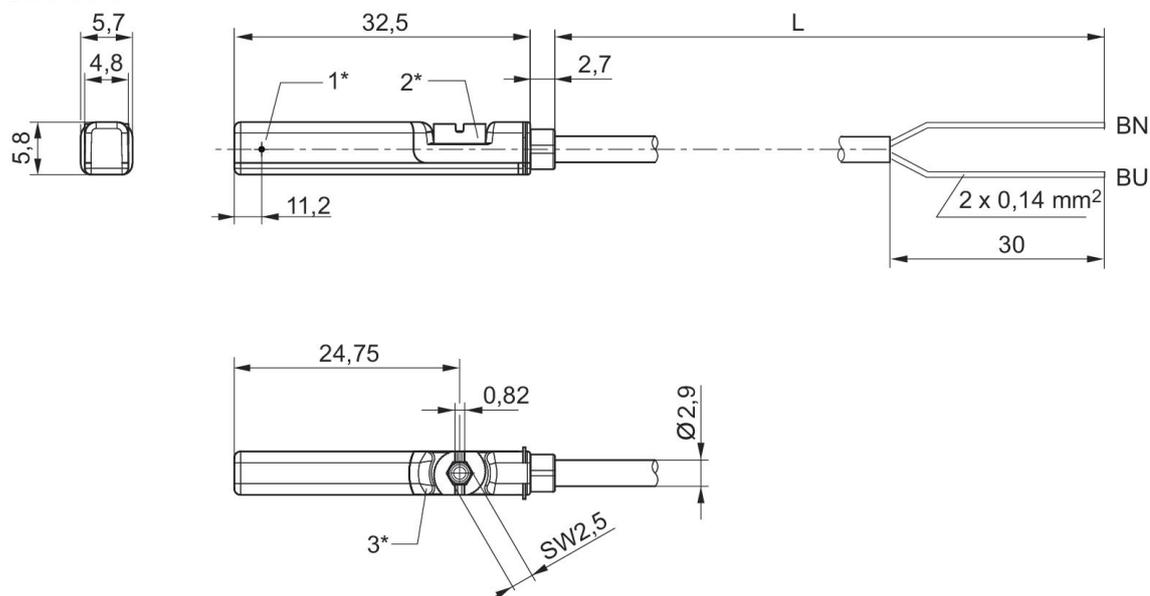
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
without wire end ferrule, tin-plated
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	AC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Operating voltage AC, min. [V AC]	Operating voltage AC, max. [V AC]	Version	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	3	0.13	0.13	10	230	10	230	Protected against polarity reversal	R412022866
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	5	0.13	0.13	10	230	10	230	Protected against polarity reversal	R412027170

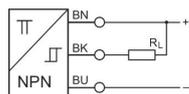
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length BN=brown, BU=blue

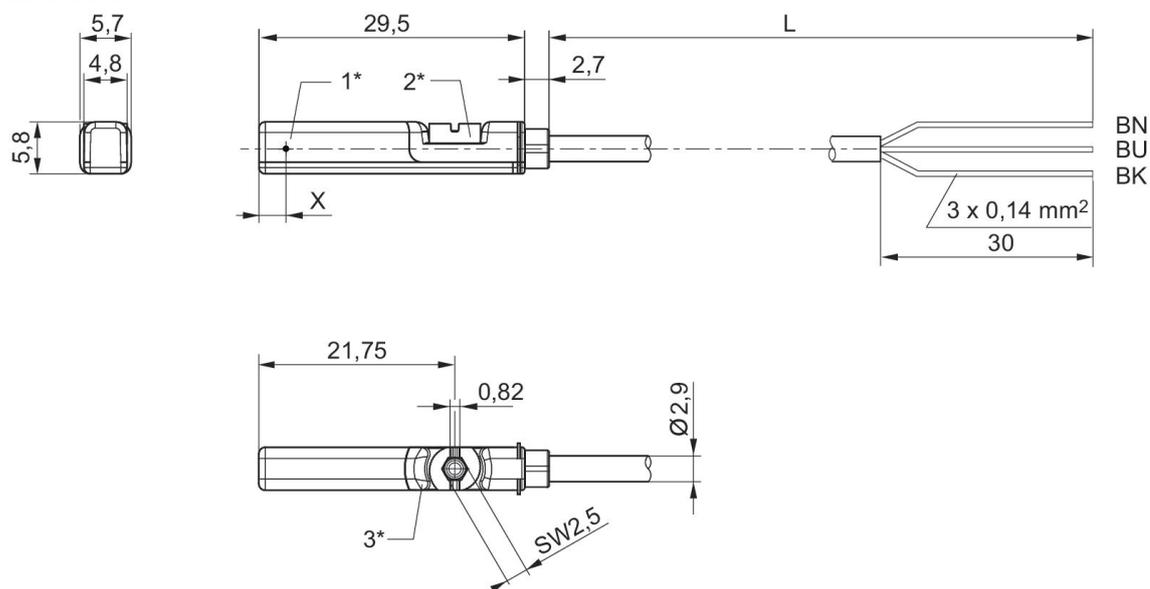
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
without wire end ferrule, tin-plated
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	NPN	Polyurethane	3	0.13	10	30	short circuit resistant, Protected against polarity reversal	R412022849
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	NPN	Polyurethane	5	0.13	10	30	short circuit resistant, Protected against polarity reversal	R412022850

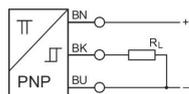
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length BN = brown, BK = black, BU = blue
X = electronic: 11.6 mm

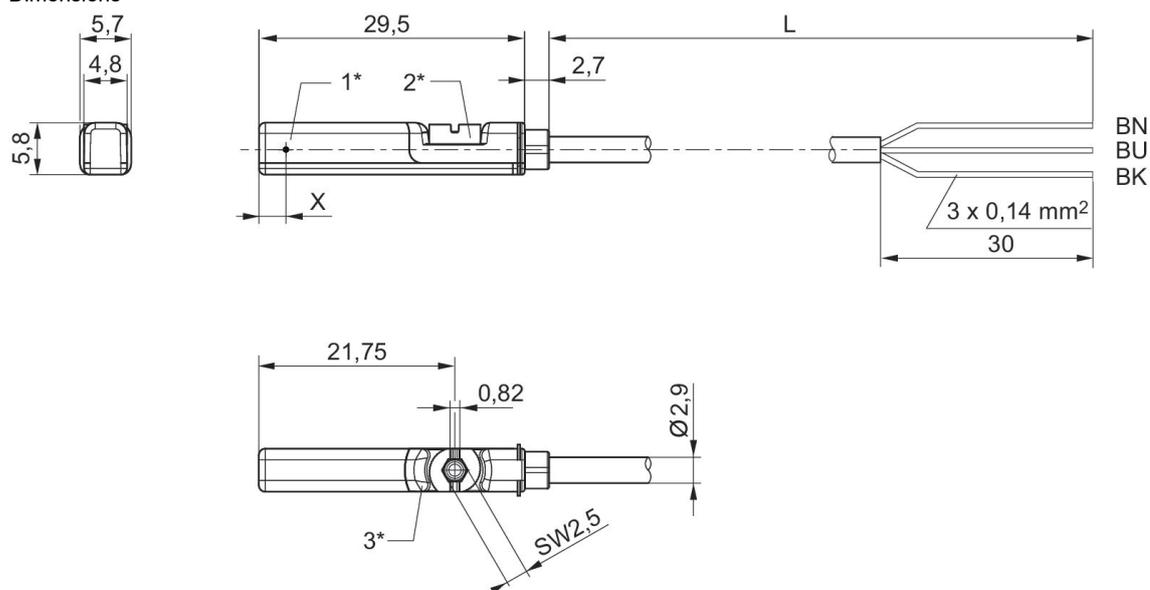
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
without wire end ferrule, tin-plated
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electronic PNP	Polyurethane	3	0.13	10	30	short circuit resistant, Protected against polarity reversal	R412022853
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electronic PNP	Polyurethane	5	0.13	10	30	short circuit resistant, Protected against polarity reversal	R412022855
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electronic PNP	Polyurethane	10	0.13	10	30	short circuit resistant, Protected against polarity reversal	R412022857

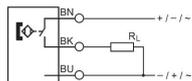
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length BN = brown, BK = black, BU = blue
X = electronic: 11.6 mm

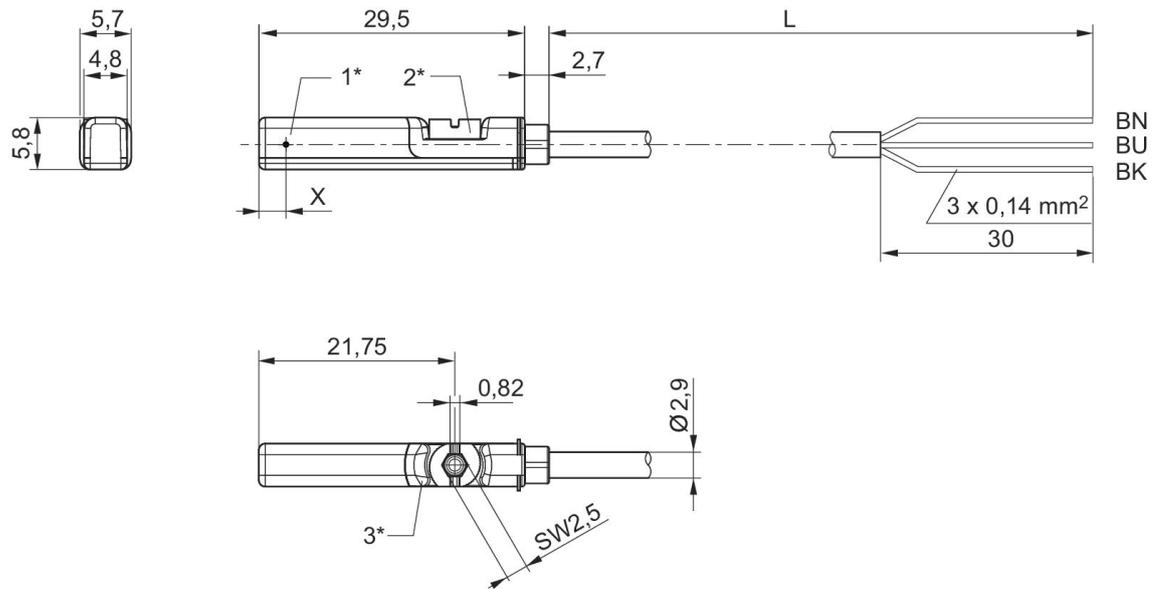
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
without wire end ferrule, tin-plated
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	AC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Operating voltage AC, min. [V AC]	Operating voltage AC, max. [V AC]	Version	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	3	0.3	0.5	10	30	10	30	Protected against polarity reversal	R412022869
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	5	0.3	0.5	10	30	10	30	Protected against polarity reversal	R412022870
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	10	0.3	0.5	10	30	10	30	Protected against polarity reversal	R412022871

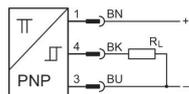
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
 L = cable length BN = brown, BK = black, BU = blue
 X = electronic: 11.6 mm

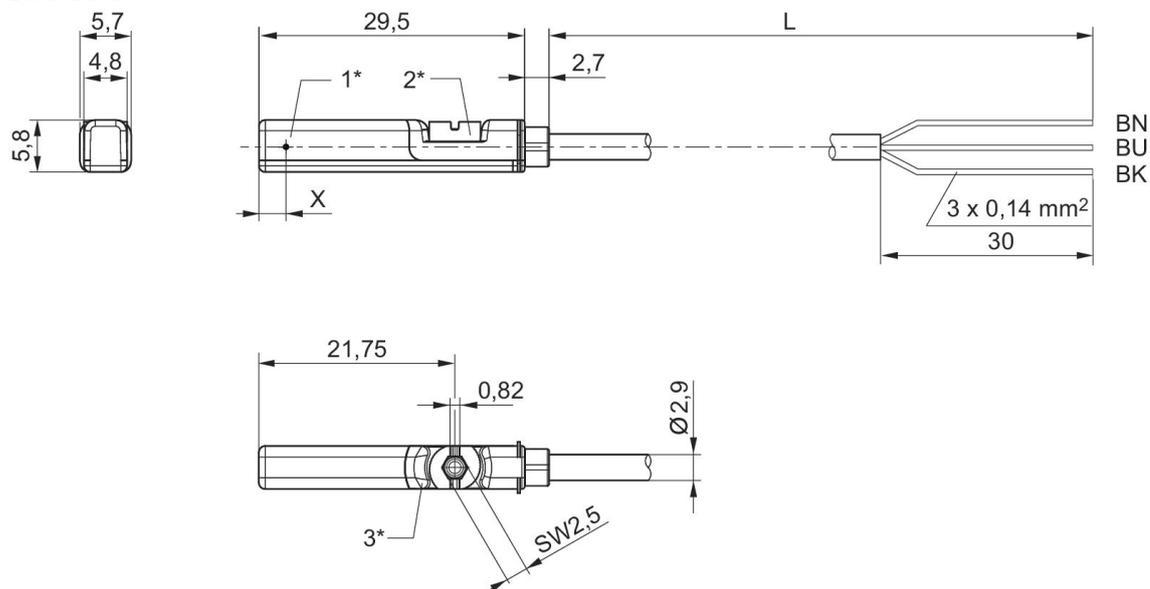
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
open cable ends
ATEX
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	PNP	Polyurethane	3	0.1	10	30	short circuit resistant, Protected against polarity reversal	R412022854
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	PNP	Polyurethane	5	0.1	10	30	short circuit resistant, Protected against polarity reversal	R412022856

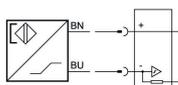
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length BN = brown, BK = black, BU = blue
X = electronic: 11.6 mm

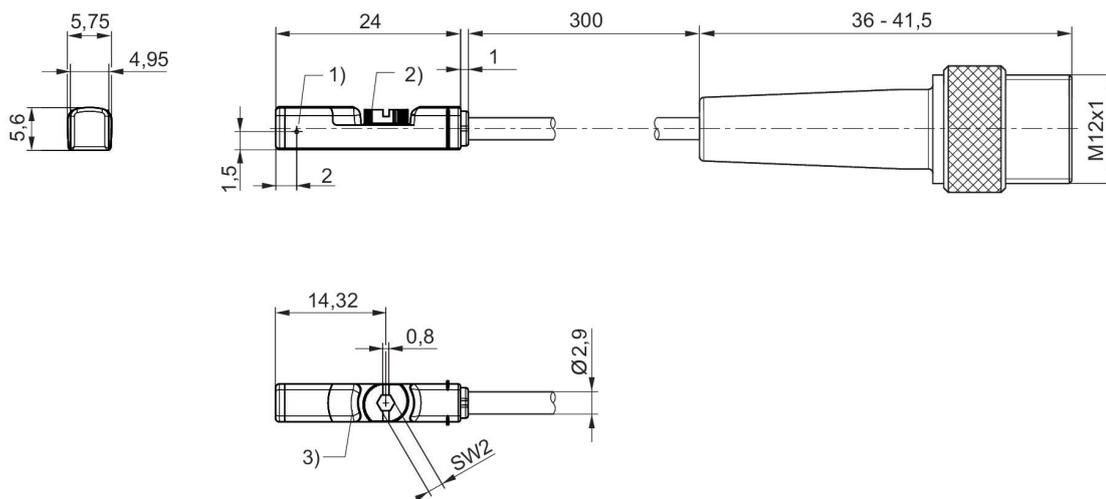
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
Plug
M12x1
ATEX
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Cable sheath	Cable length L [m]	Operating voltage DC, max. [V DC]	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Polyurethane	0.3	8.2	R412027173

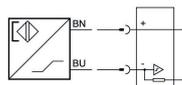
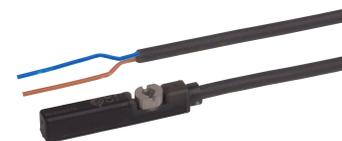
Dimensions in mm



- 1) Switching point
- 2) Locking screw
- 3) LED window, transparent

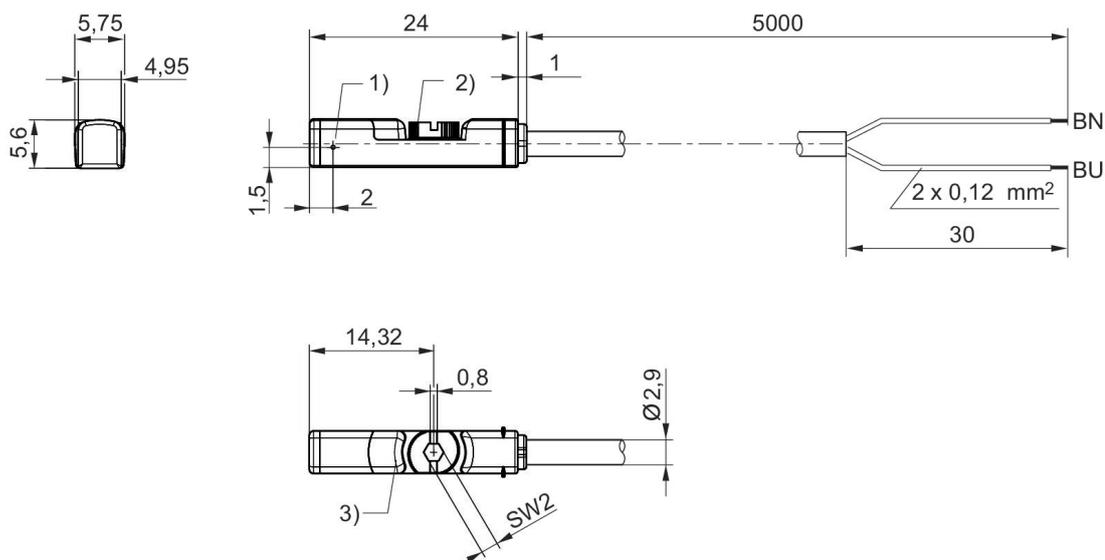
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
Wire end clips
ATEX
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Cable sheath	Cable length L [m]	Operating voltage DC, max. [V DC]	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Polyurethane	5	8.2	R412027174

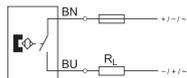
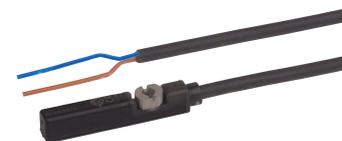
Dimensions in mm



1) Switching point
2) Locking screw
3) LED window, transparent
BN = brown, BU = blue

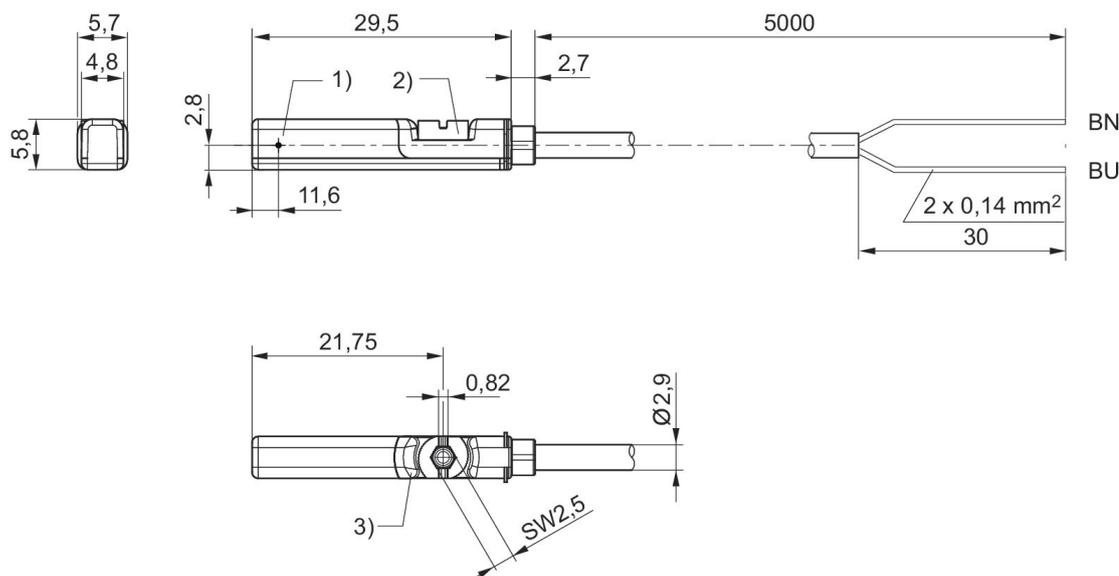
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
open cable ends
ATEX
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Operating voltage AC, min. [V AC]	Operational voltage AC, max. [V AC]	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	5	5	30	5	30	R412027175

Dimensions in mm



- 1) Switching point
 - 2) Locking screw
 - 3) LED window, transparent
- BN = brown, BU = blue

Sensor, Series ST6

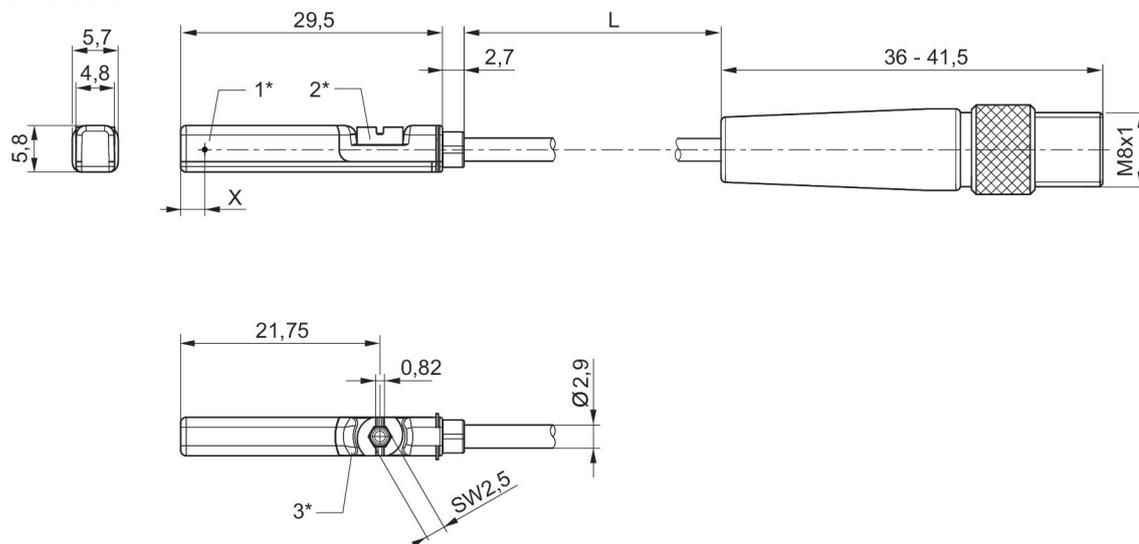
PRA
PRE
CCI
KPZ
SSI
GPC
CVI
Plug
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	AC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Operating voltage AC, min. [V AC]	Operating voltage AC, max. [V AC]	Version	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	0.3	0.3	0.5	10	30	10	30	Protected against polarity reversal	R412022873
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyvinyl chloride	0.3	0.3	0.5	10	30	10	30	Protected against polarity reversal	R412022875
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	0.5	0.3	0.5	10	30	10	30	Protected against polarity reversal	R412022874
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electronic PNP	Polyurethane	0.3	0.13		10	30			short circuit resistant, Protected against polarity reversal	R412022859
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electronic PNP	Polyvinyl chloride	0.3	0.13		10	30			short circuit resistant, Protected against polarity reversal	R412022862
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electronic PNP	Polyurethane	0.5	0.13		10	30			short circuit resistant, Protected against polarity reversal	R412022861
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	NPN	Polyurethane	0.3	0.13		10	30			short circuit resistant, Protected against	R412022852

Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	AC switching current, max. [A]	Operating voltage DC, min. max. [V DC]	Operating voltage DC, min. max. [V DC]	Operating voltage AC, min. max. [V AC]	Operating voltage AC, min. max. [V AC]	Version	Part No.
										polarity reversal	

Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
 L = cable length
 X = electronic: 11,6 mm, Reed: 8,3 mm

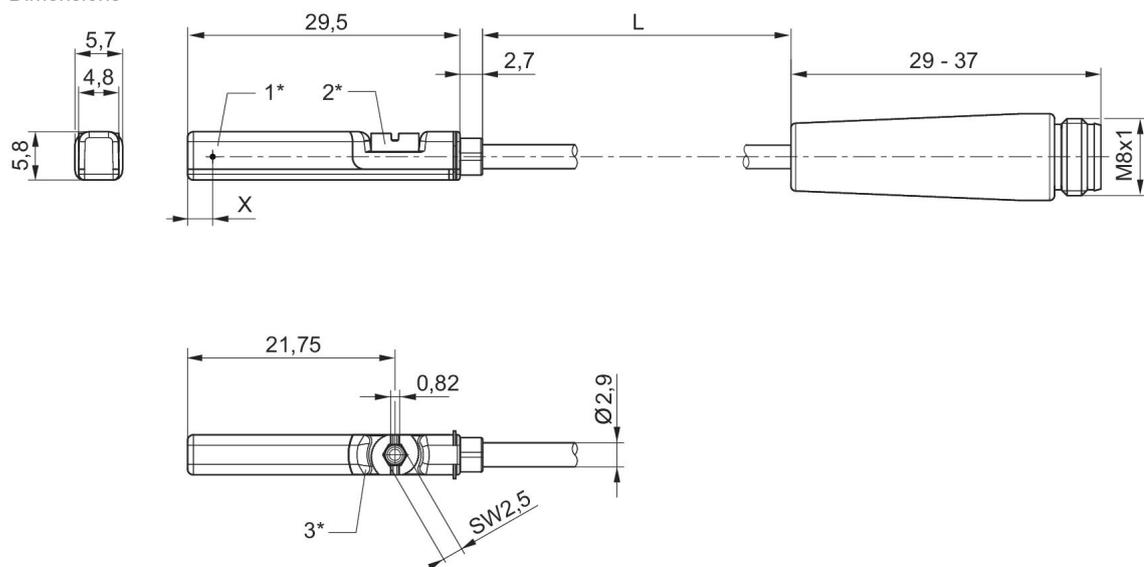
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
Plug
M8
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	AC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Operating voltage AC, min. [V AC]	Operating voltage AC, max. [V AC]	Version	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	0.3	0.13	0.13	10	30	10	30	Protected against polarity reversal	R412022868
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	0.3	0.13	0.13	10	30	10	30	Protected against polarity reversal	R412027172
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	0.3	0.3	0.5	10	30	10	30	Protected against polarity reversal	R412022872
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electron PNP	Polyurethane	0.3	0.13		10	30			short circuit resistant, Protected against polarity reversal	R412022858
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	NPN	Polyurethane	0.3	0.13		10	30			short circuit resistant, Protected against polarity reversal	R412022851

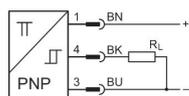
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length
X = electronic: 11,6 mm, Reed: 8,3 mm

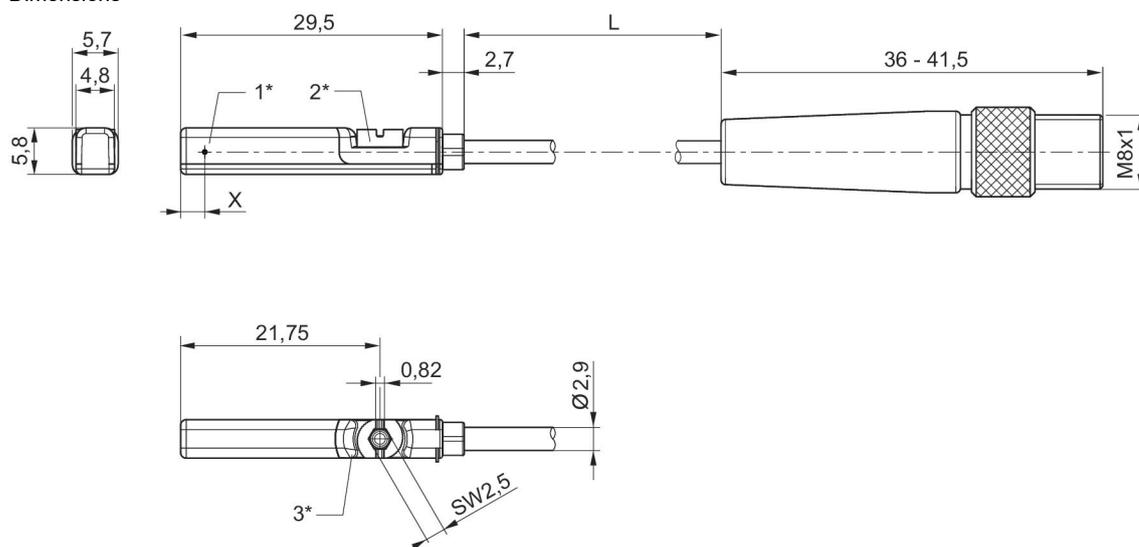
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
Plug
M8
ATEX
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	PNP	Polyurethane	0.3	0.1	10	30	short circuit resistant, Protected against polarity reversal	R412022860

Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length
X = electronic: 11,6 mm, Reed: 8,3 mm

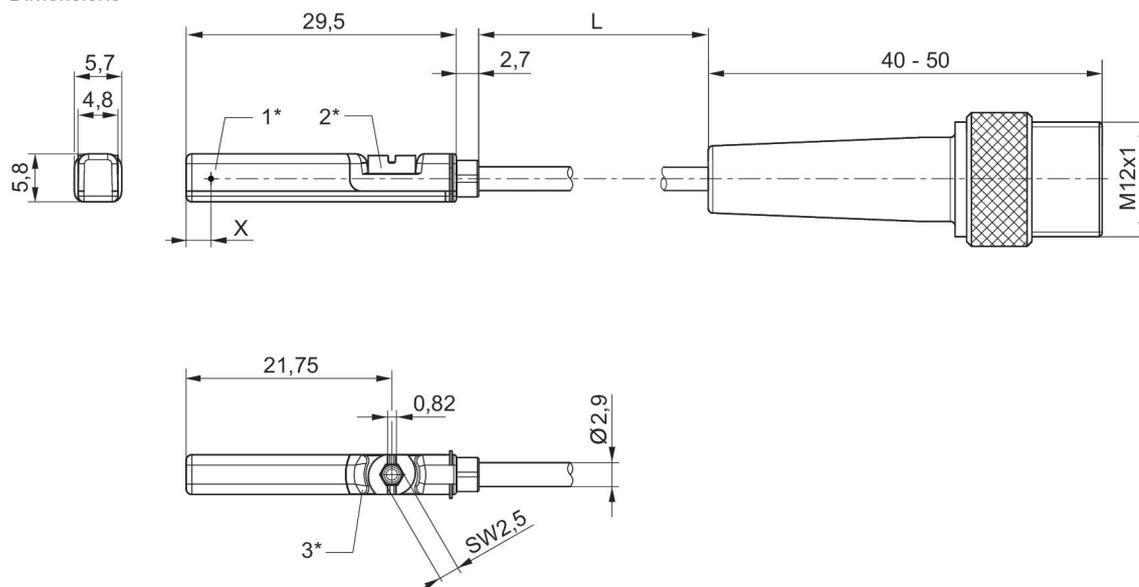
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
Plug
M12
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	AC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Operating voltage AC, min. [V AC]	Operating voltage AC, max. [V AC]	Version	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	0.3	0.13	0.13	10	30	10	30	Protected against polarity reversal	R412027171
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	Reed	Polyurethane	0.3	0.3	0.5	10	30	10	30	Protected against polarity reversal	R412022876
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electron PNP	Polyurethane	0.1	0.13		10	30			short circuit resistant, Protected against polarity reversal	R412022879
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electron PNP	Polyurethane	0.3	0.13		10	30			short circuit resistant, Protected against polarity reversal	R412022863
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electron PNP	Polyurethane	3	0.13		10	30			short circuit resistant, Protected against polarity reversal	R412022877
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	electron PNP	Polyurethane	5	0.13		10	30			short circuit resistant, Protected against polarity reversal	R412022878

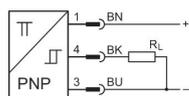
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length
X = PNP: 11,6 mm, reed: 8,3 mm

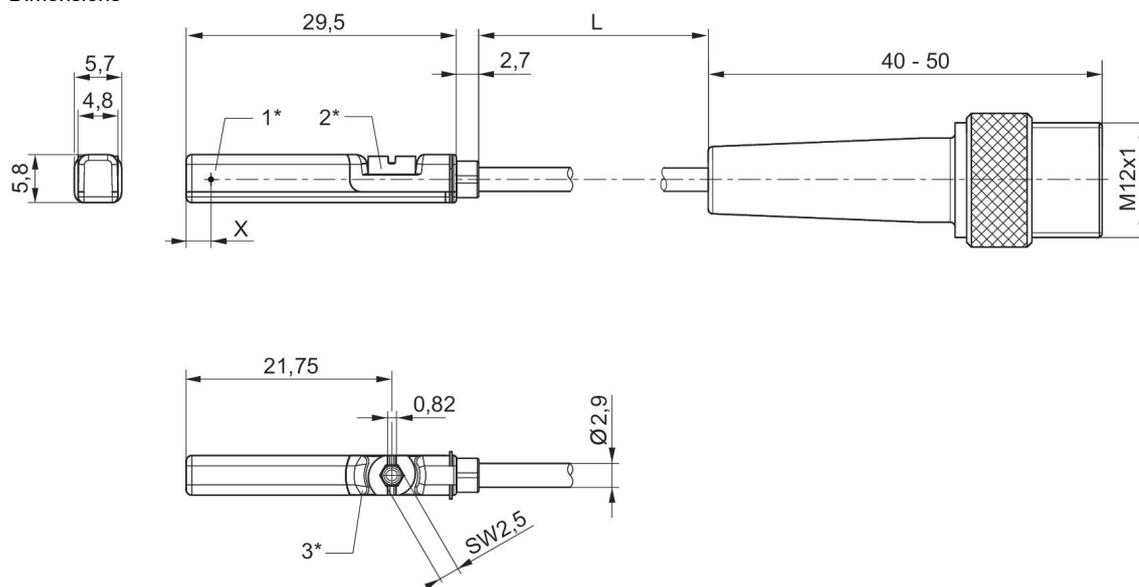
Sensor, Series ST6

PRA
PRE
CCI
KPZ
SSI
GPC
CVI
Plug
M12
ATEX
CE declaration of conformity
cULus
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
PRA, PRE, CCI, KPZ, SSI, GPC, CVI	PNP	Polyurethane	0.3	0.1	10	30	short circuit resistant, Protected against polarity reversal	R412022864

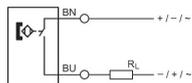
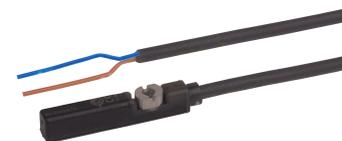
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length
X = PNP: 11,6 mm, reed: 8,3 mm

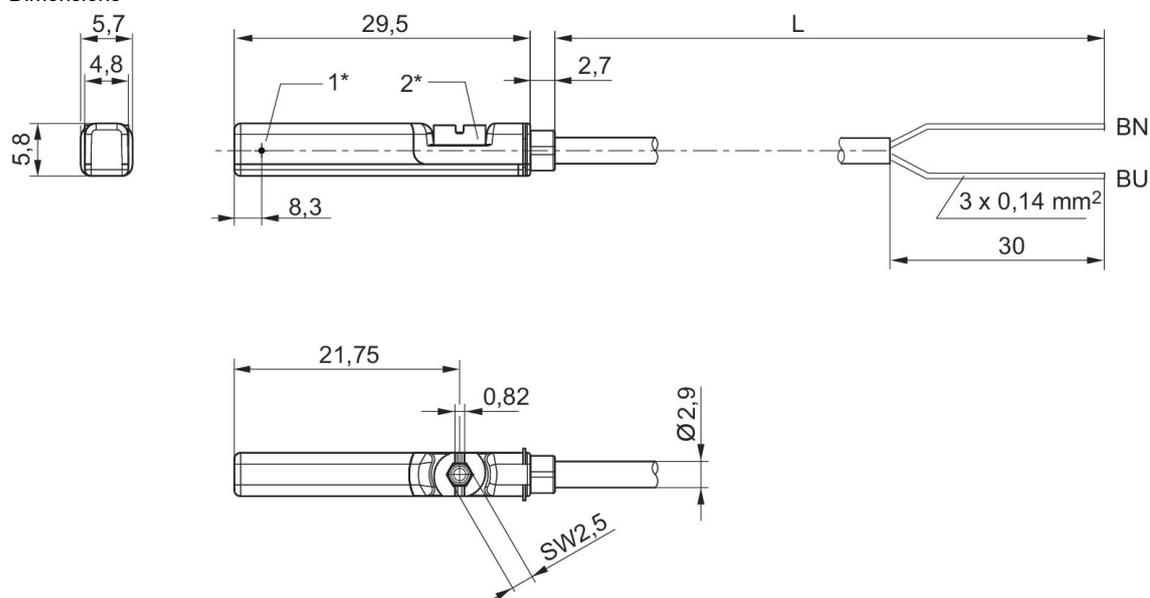
Sensor, Series ST6-HT

PRA
PRE
CCI
KPZ
open cable ends
Heat resistant
RoHS
UL (Underwriters Laboratories)



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	AC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Operating voltage AC, min. [V AC]	Operating voltage AC, max. [V AC]	Version	Part No.
PRA, PRE, CCI, KPZ	Reed	Polyurethane	3	0.13	0.13	0	30	0	30	Protected against polarity reversal	R412022865
PRA, PRE, CCI, KPZ	Reed	Polyurethane	10	0.13	0.13	0	30	0	30	Protected against polarity reversal	R412022867

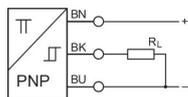
Dimensions



1* = switching point 2* = locking screw
L = cable length BN=brown, BU=blue

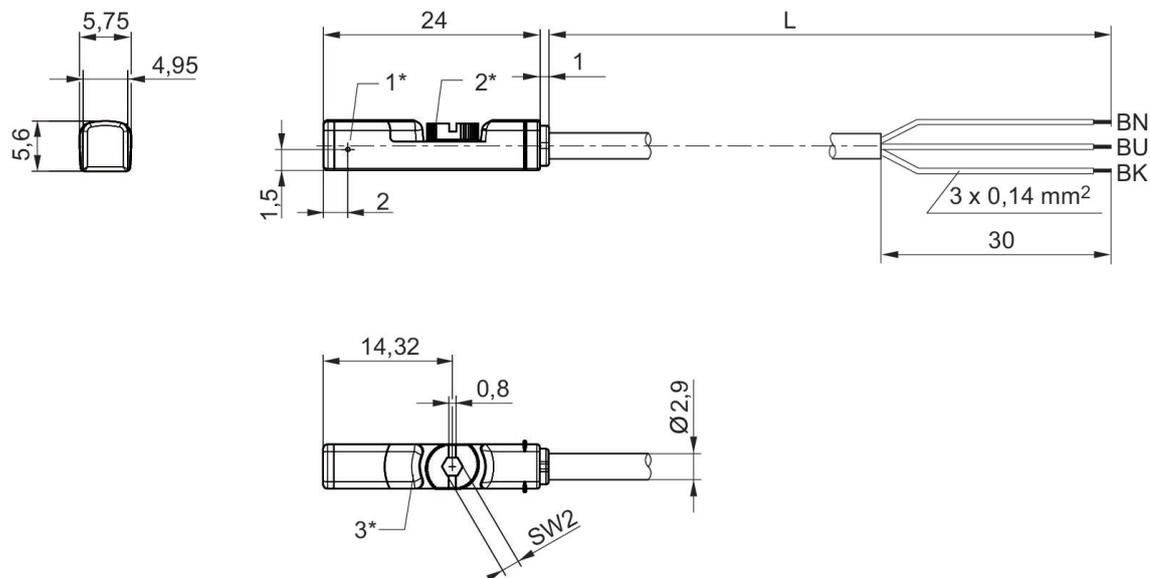
Sensor, Series ST6-LT

PRA
open cable ends
-40 °C cold-resistant
RoHS
UL (Underwriters Laboratories)
cULus



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
PRA	PNP	Polyurethane	5	0.2	10	30	short circuit resistant	R412024011

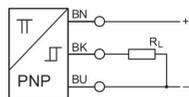
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length BN = brown, BK = black, BU = blue

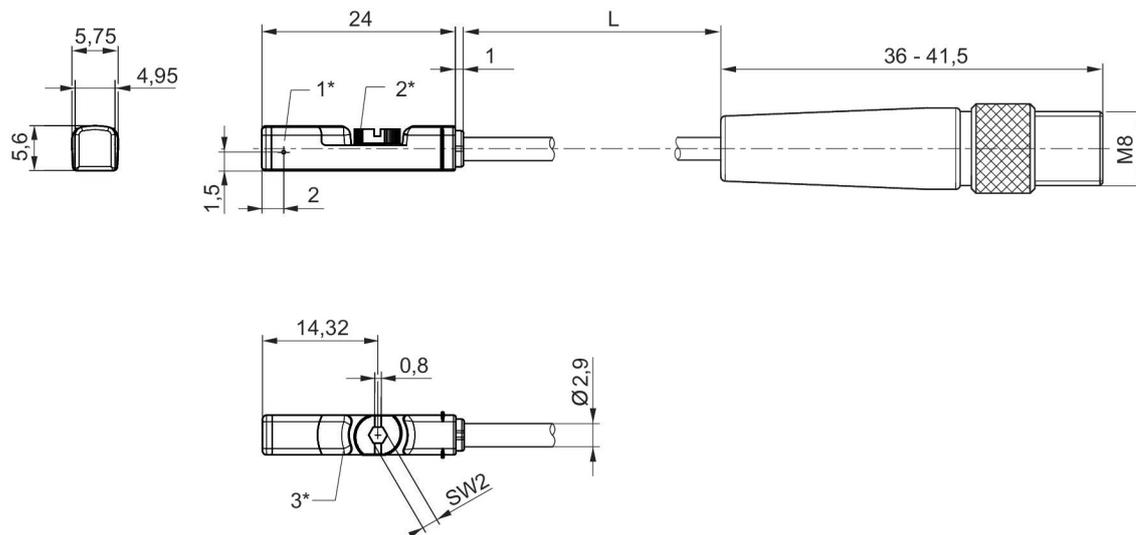
Sensor, Series ST6-LT

PRA
open cable ends
-40 °C cold-resistant
RoHS
UL (Underwriters Laboratories)
cULus



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
PRA	PNP	Polyurethane	0.3	0.2	10	30	short circuit resistant	R412024669

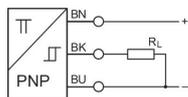
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length

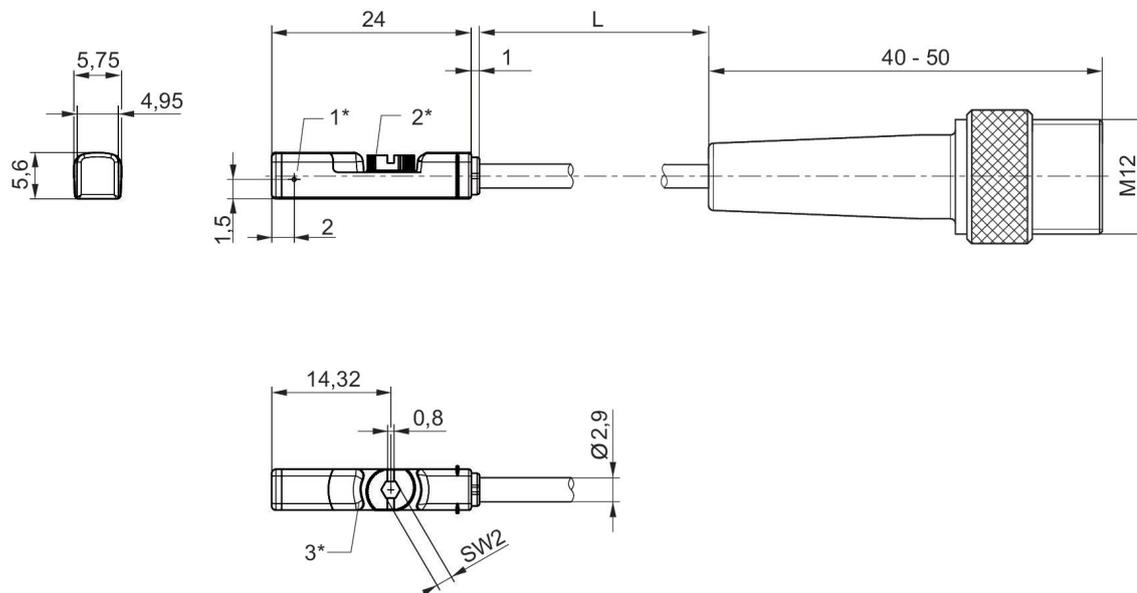
Sensor, Series ST6-LT

PRA
open cable ends
-40 °C cold-resistant
RoHS
UL (Underwriters Laboratories)
cULus



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
PRA	PNP	Polyurethane	0.3	0.2	10	30	short circuit resistant	R412024670

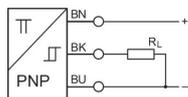
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length

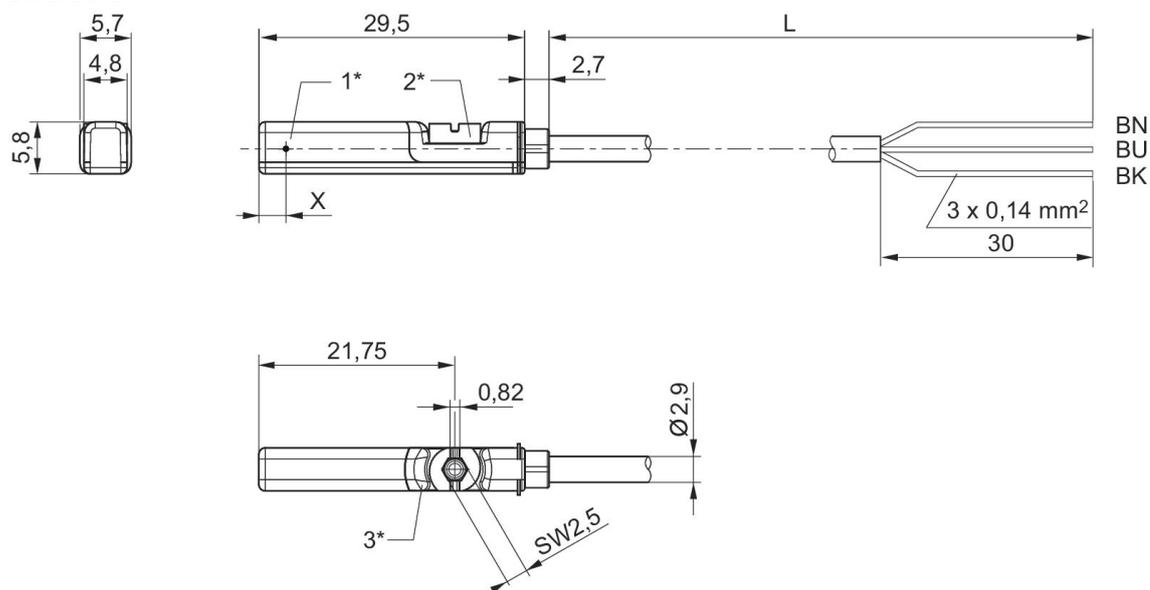
Sensor, Series ST6

CCL-IC
open cable ends
RoHS
UL (Underwriters Laboratories)
cULus



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
CCL-IC	electronic PNP	Polyurethane	5	0.13	10	30	short circuit resistant	R412025609

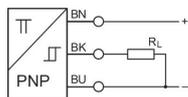
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length
BN = brown BK = black BU = blue
X = electronic: 11.6 mm

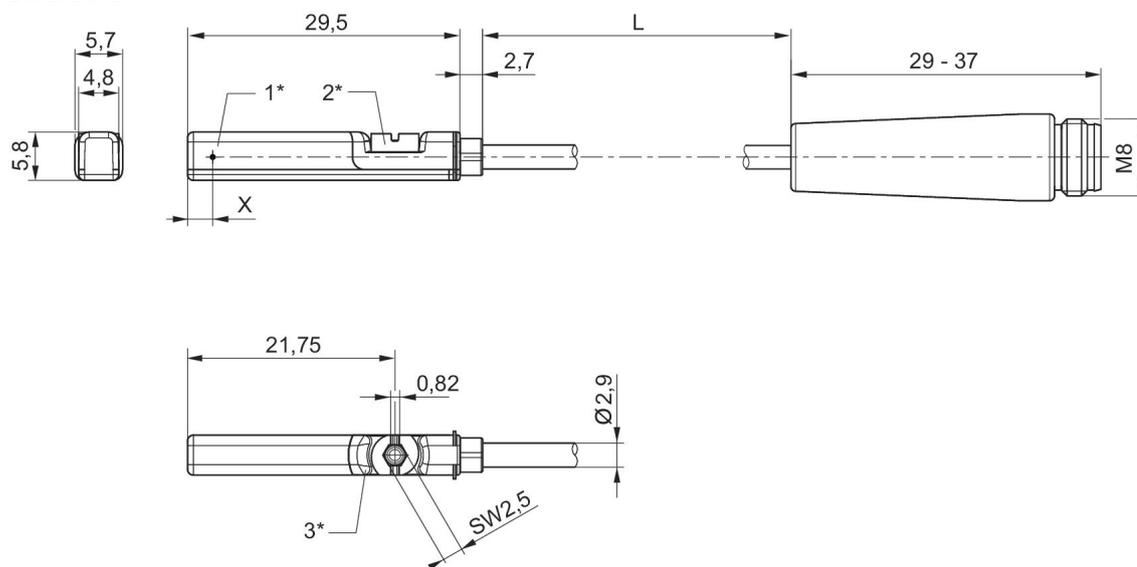
Sensor, Series ST6

CCL-IC
open cable ends
RoHS
UL (Underwriters Laboratories)
cULus



Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
CCL-IC	electronic PNP	Polyurethane	0.3	0.13	10	30	short circuit resistant	R412025610

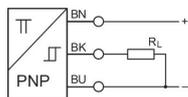
Dimensions



1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length
X = electronic: 11.6 mm
Pin assignment: 1 = (+) 3 = (-) 4 = (OUT)

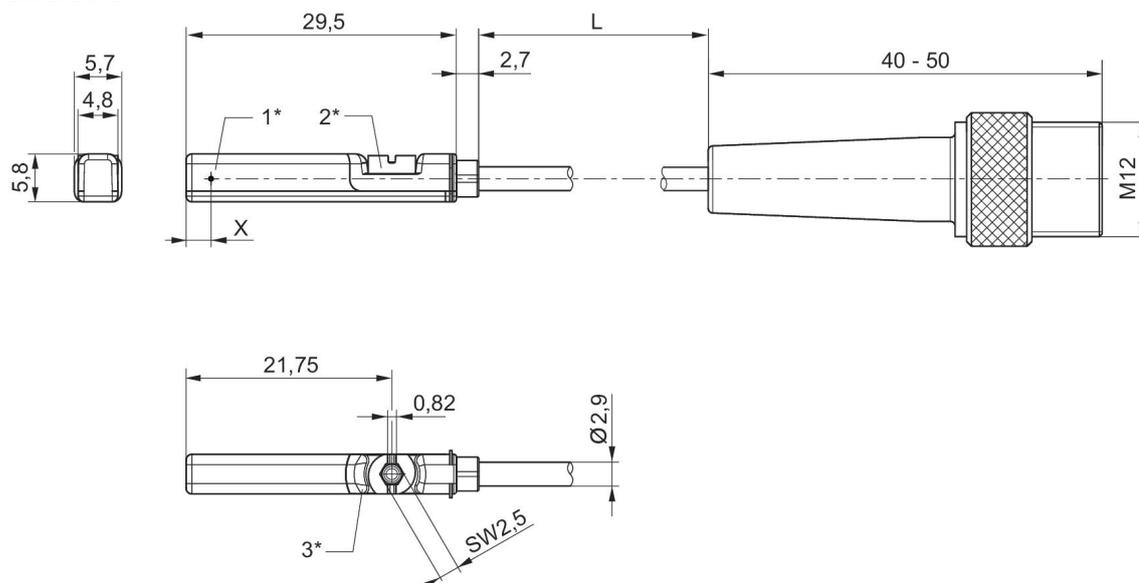
Sensor, Series ST6

CCL-IC
open cable ends
RoHS
UL (Underwriters Laboratories)
cULus



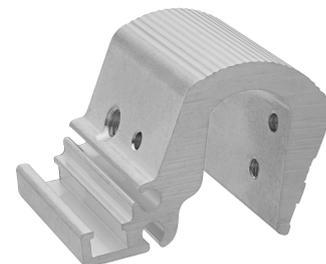
Direct mounting for series	Type of contact	Cable sheath	Cable length L [m]	DC switching current, max. [A]	Operating voltage DC, min. [V DC]	Operating voltage DC, max. [V DC]	Version	Part No.
CCL-IC	electronic PNP	Polyurethane	0.3	0.13	10	30	short circuit resistant	R412025611

Dimensions

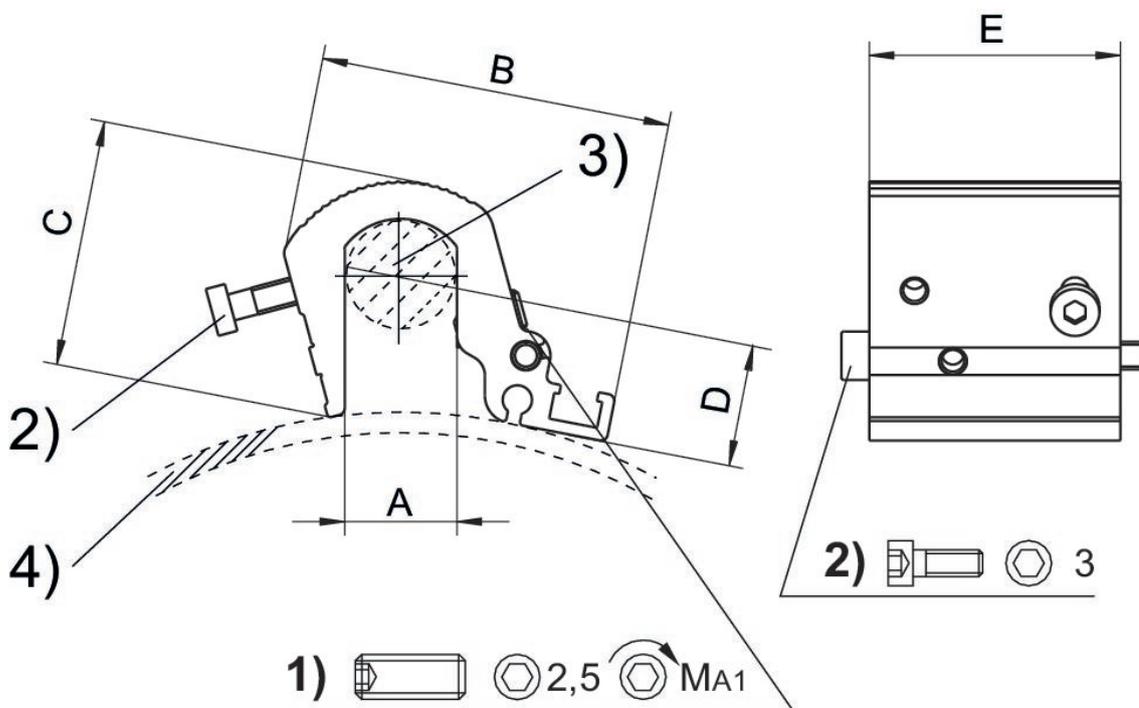


1* = switching point 2* = locking screw 3* = LED window, transparent
L = cable length
X = PNP: 11,6 mm
Pin assignment: 1 = (+) 3 = (-) 4 = (OUT)

Sensor mounting, Series CB1



Cylinders Ø min. [mm]	Cylinders Ø max. [mm]	for sensor	Material	Part No.
160	200	ST6, SN2, SN6, SN1, SM6	Aluminum	R412017979
250	320	ST6, SN2, SN6, SN1, SM6	Aluminum	R412017980



1) Clamping threaded pin 2) Mounting screws for sensor 3) Tie rod 4) Cylinder profile

Cylinders Ø	Part No.	A	B	C	D	E	MA1 [Nm]
160 - 200 mm	R412017979	16	51	36	6.8	36	2
250 - 320 mm	R412017980	24	56	44.5	6.8	36	2

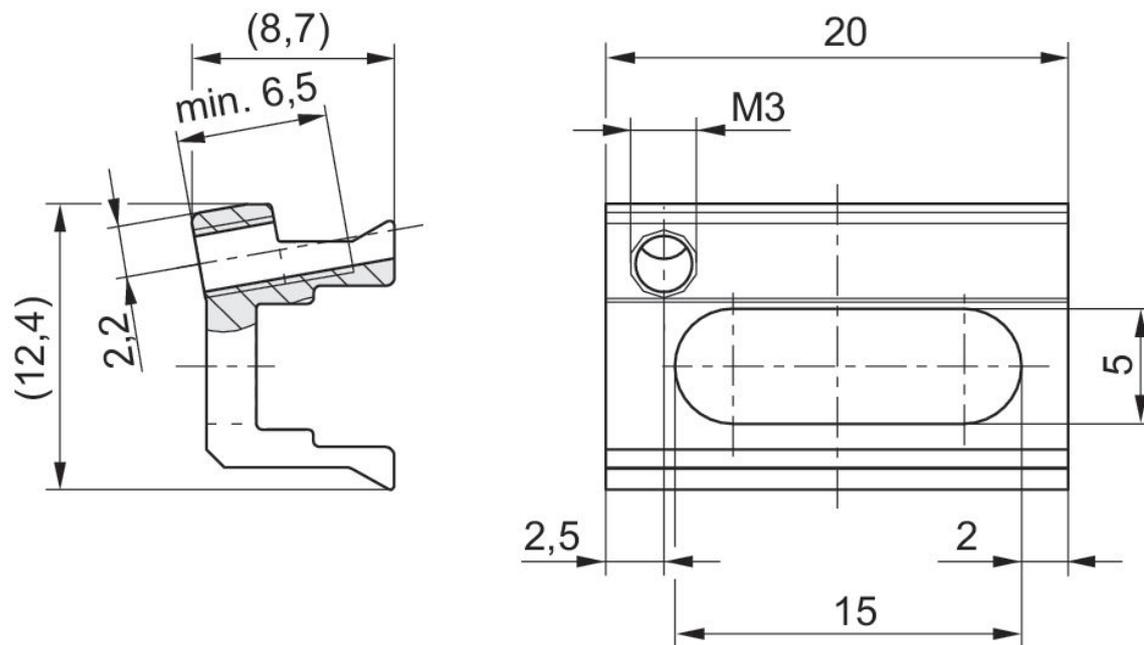
Scope of delivery: Incl. mounting screws

Sensor mounting, Series CB1

ST6



Material	Part No.
Aluminum	R422100250



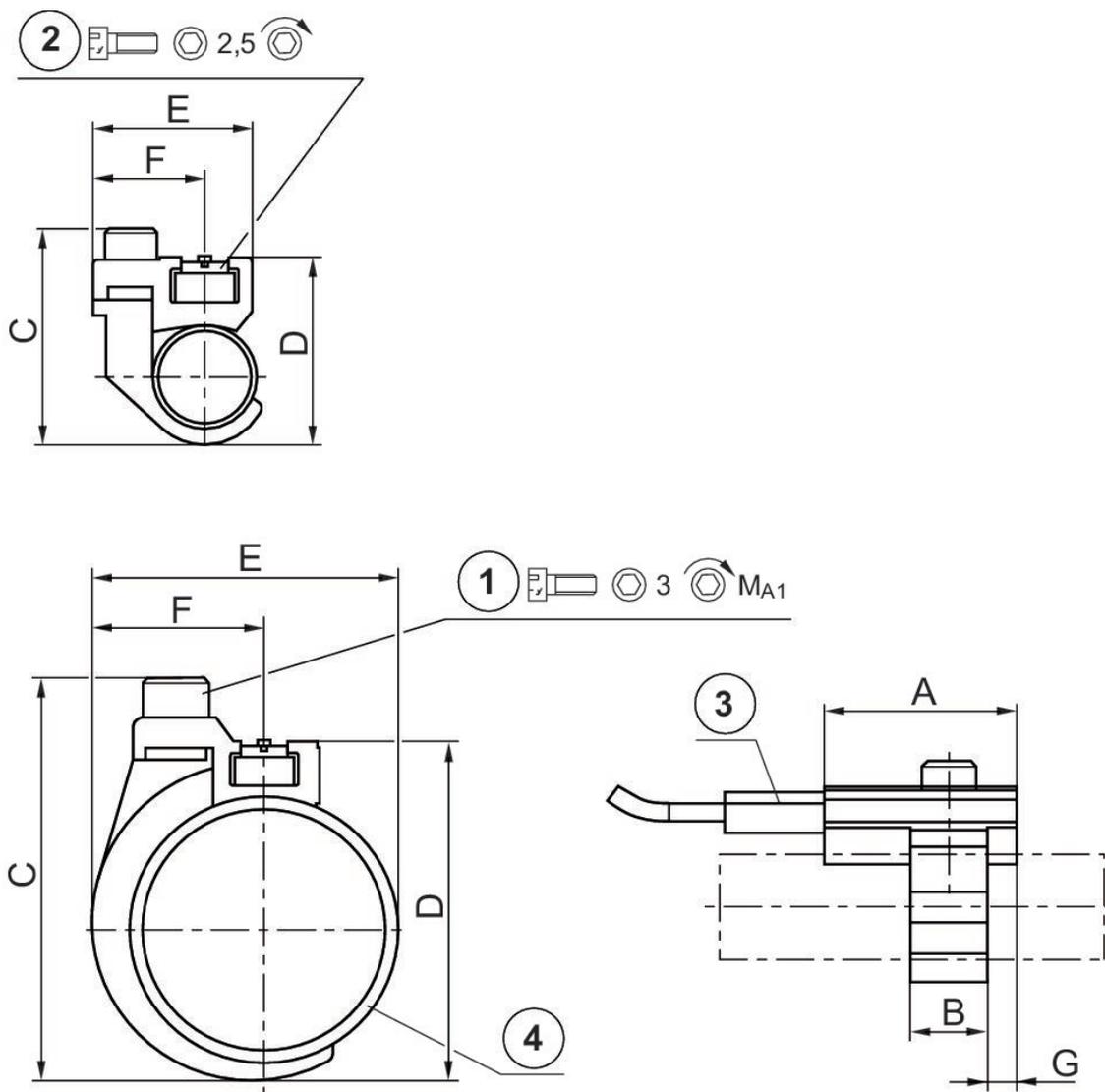
Scope of delivery: incl. threaded pin

Sensor mounting, Series CB1

ST6
SM6



Cylinders Ø min. [mm]	Material	Part No.
10	Aluminum	1827020296
12	Aluminum	1827020297
16	Aluminum	1827020298
20	Aluminum	1827020299
25	Aluminum	1827020300



1) Mounting screw 2) Mounting screw for sensor 3) Sensor 4) Cylinder pipe

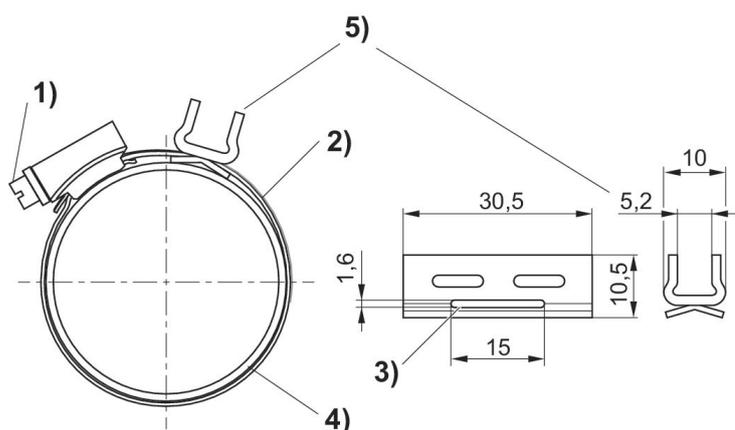
Part No.	Cylinders Ø	A	B	C	D	E	F	G	Mounting screw	MA1 [Nm]
1827020296	10 mm	20	8	24	19	17.5	11.8	3	M3x8	1 +0,2
1827020297	12 mm	20	8	26	22	19	11.8	3	M3x8	1 +0,2
1827020298	16 mm	20	12	34	30	23	13.8	4	M4x10	2 +0,3
1827020299	20 mm	20	12	38	32	26	13.8	4	M4x10	2 +0,3
1827020300	25 mm	20	12	43	37	31	13.8	4	M4x10	2 +0,3

Sensor mounting, Series CB1

ST6



Cylinders Ø min. [mm]	Cylinders Ø max. [mm]	Material	Part No.
25	32	Stainless Steel	R412024050
40	40	Stainless Steel	R412024051
50	50	Stainless Steel	R412024052
63	63	Stainless Steel	R412024053
25	63	Stainless Steel	R412024054



1) Mounting screw 2) Tightening strap 3) Opening for tightening strap 4) Cylinder tube 5) Sensor holder

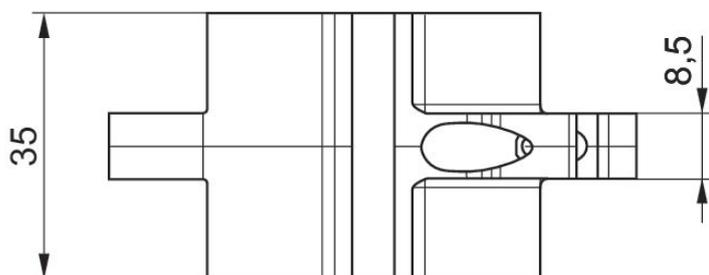
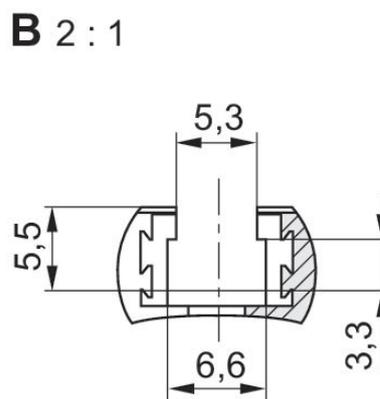
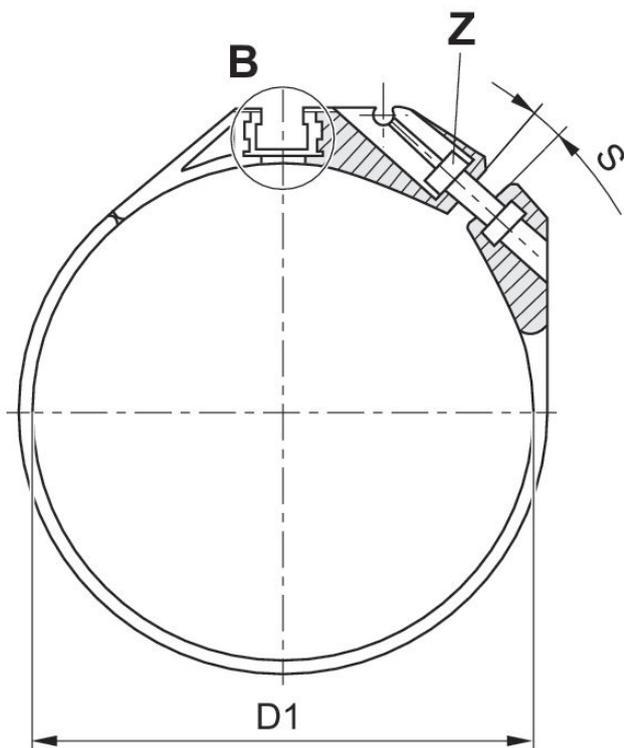
Part No.	Cylinder tube Ø	For series	Fig.
R412024050	25 - 32 mm	ST6	Fig. B
R412024051	40 mm	ST6	Fig. B
R412024052	50 mm	ST6	Fig. B
R412024053	63 mm	ST6	Fig. B
R412024054	25 - 63 mm	ST6	Fig. A

Sensor mounting, Series CB1

ST6



Cylinders Ø min. [mm]	Cylinders Ø max. [mm]	Material	Part No.
32	32	Polyoxymethylene, Aluminum	R412025665
40	40	Polyoxymethylene, Aluminum	R412025666
50	50	Polyoxymethylene, Aluminum	R412025667
63	63	Polyoxymethylene, Aluminum	R412025668



Part No.	D1	S	Z
R412025665	34	35	ISO 4762 - M3 x 10 A2
R412025666	42	43	ISO 4762 - M3 x 12 A2
R412025667	52,9	54	ISO 4762 - M3 x 12 A2
R412025668	65	66	ISO 4762 - M3 x 12 A2

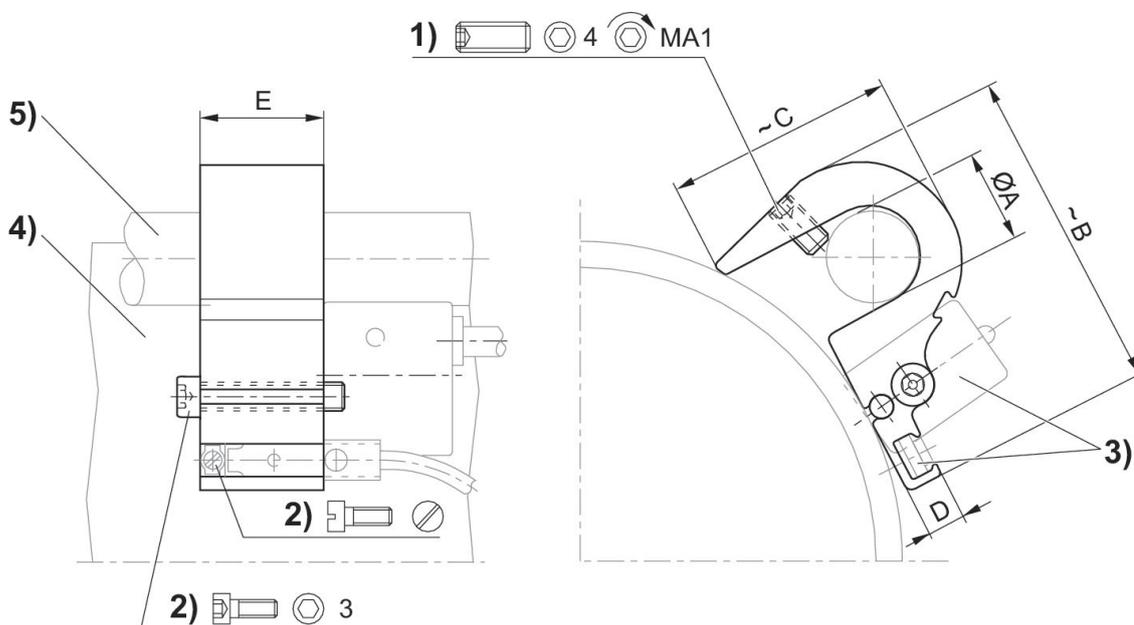
S = recommended max. spread width [mm]

Sensor mounting, Series CB1

ST6
SM6
SN1
SN2



Cylinders Ø min. [mm]	Cylinders Ø max. [mm]	Material	Part No.
125	125	Aluminum	1827020292



1) Clamping threaded pin 2) Mounting screw for sensor 3) Sensor 4) Cylinder profile 5) Tie rod

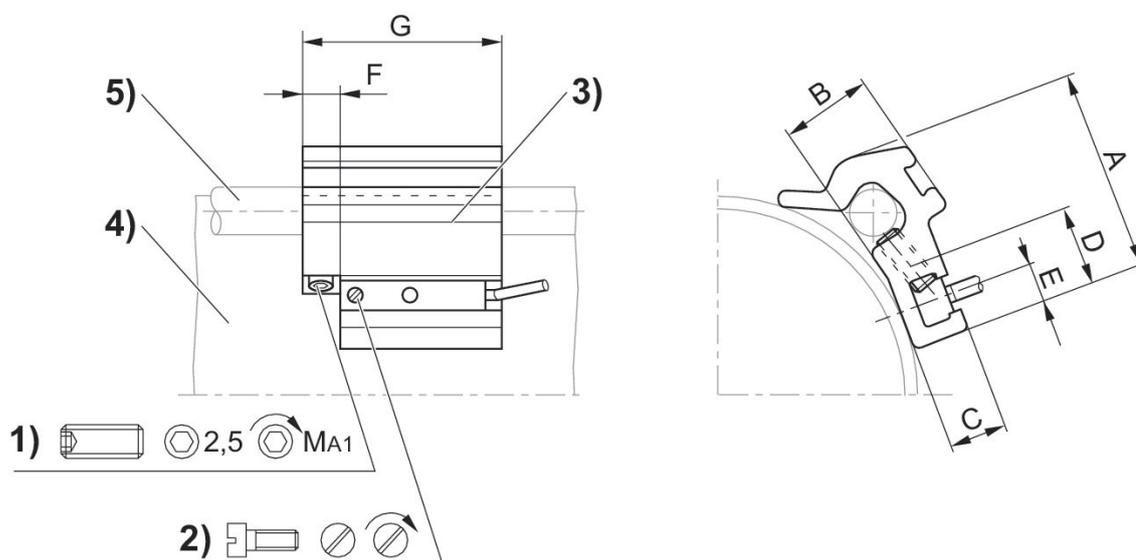
Part No.	Cylinders Ø	Ø A	B	C	D	E	Clamping threaded pin	MA1 [Nm]
1827020292	125 mm	12	45	29	6.5	21	M5x10	2

Sensor mounting, Series CB1

ST6
SM6



Cylinders Ø min. [mm]	Cylinders Ø max. [mm]	Material	Part No.
32	40	Aluminum	1827020282
50	63	Aluminum	1827020283
80	100	Aluminum	1827020284



1) Clamping threaded pin 2) Mounting screw for sensor 3) Sensor 4) Cylinder profile 5) Tie rod

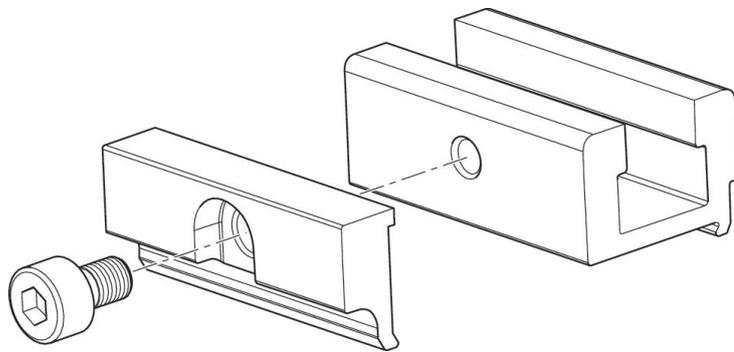
Part No.	Cylinders Ø	A	B	C	D	E	F	G	Clamping threaded pin	MA1 [Nm]
1827020282	32 - 40 mm	26	10	7	14	5	8	40	M5x8	2 ±0,2
1827020283	50 - 63 mm	32.5	15.5	7	14	5	8	40	M5x10	2 ±0,2
1827020284	80 - 100 mm	43	17	6.9	14	5	8	40	M5x16	2 ±0,2

Sensor clamp

ST6



Material	Part No.
Aluminum	R412025968

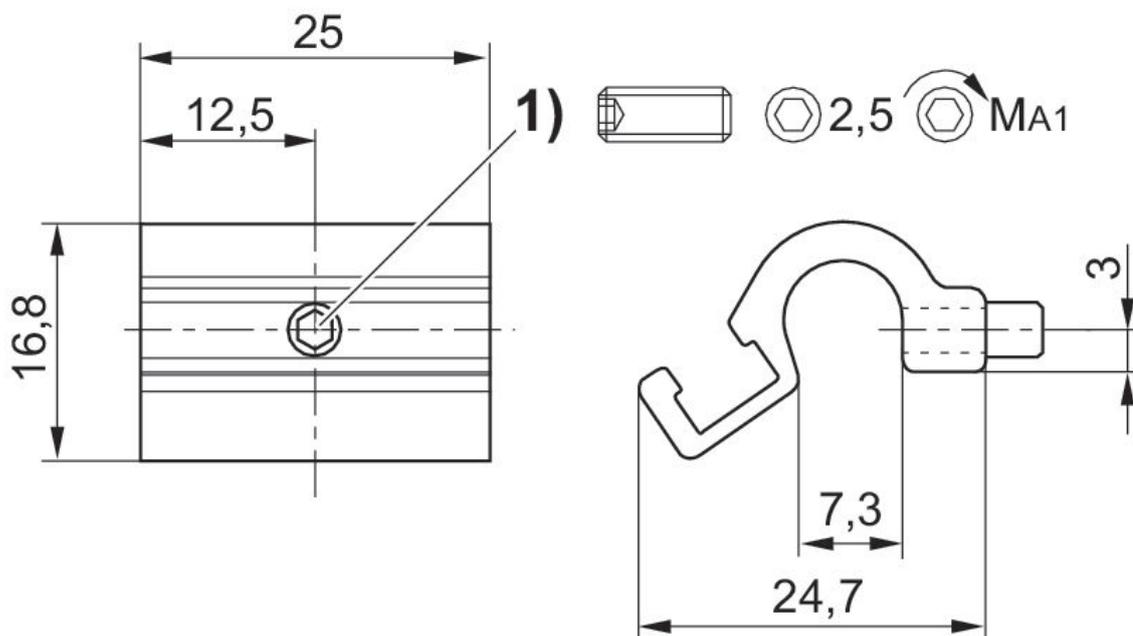


Sensor mounting, Series CB1

ST6
SM6



Cylinders Ø max. [mm]	Material	Part No.
25	Aluminum	R412022357



1) Mounting screw

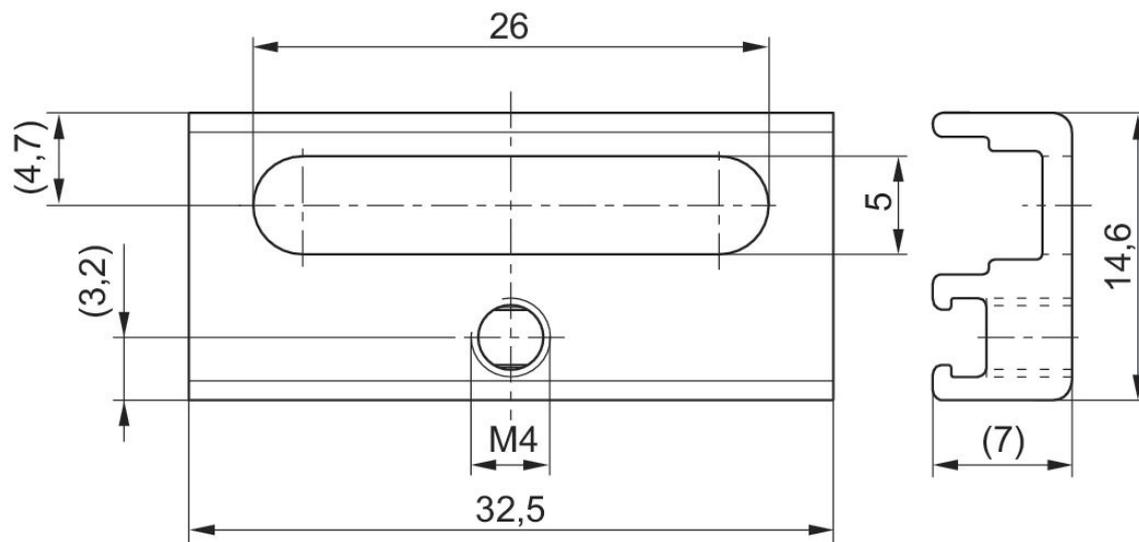
Part No.	Cylinders Ø max.	MA1 [Nm]
R412022357	25 mm	1 + 0,3

Sensor mounting, Series CB1

ST6



Material	Part No.
Aluminum	R402000040

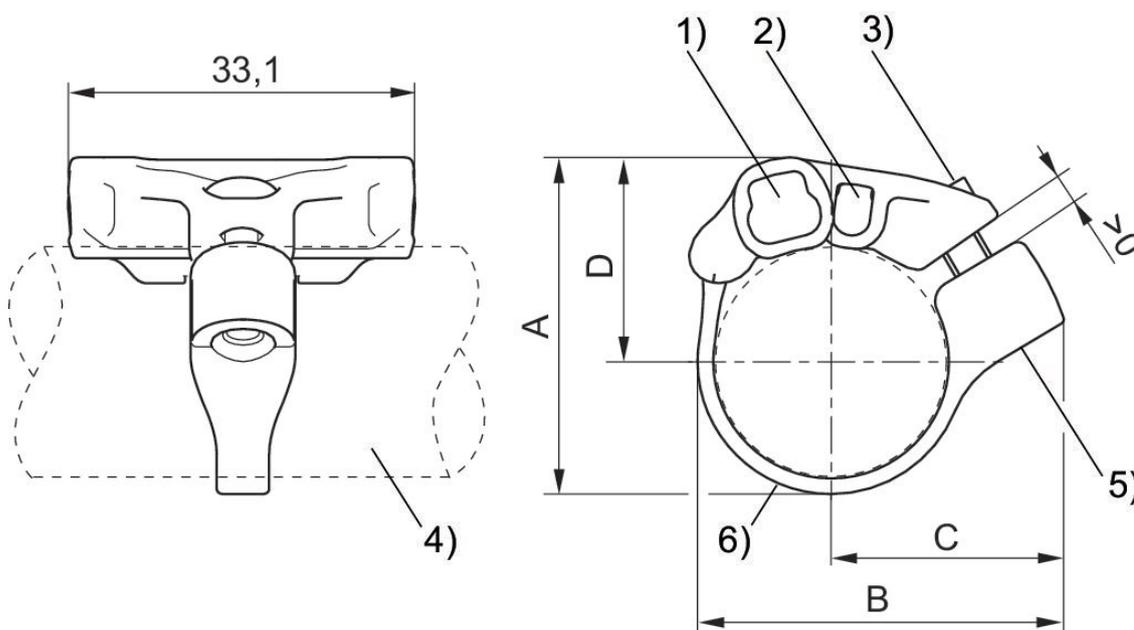


Sensor mounting, Series CB1

ST4
ST6



Cylinders Ø min. [mm]	Material	Part No.
16	Polyamide, Stainless Steel	R412021791
20	Polyamide, Stainless Steel	R412021792
25	Polyamide, Stainless Steel	R412021793

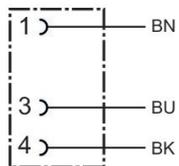


1) Sensor slot for ST6 2) Sensor slot for ST4 3) Mounting screw (made of stainless steel) 4) Cylinder profile 5) Thread insert (made of stainless steel) 6) Tightening strap

Part No.	A	B	C	D
R412021791	27.7	32.5	22.1	17.3
R412021792	32.4	35	22.4	19.7
R412021793	37.4	39.5	24.3	22.2

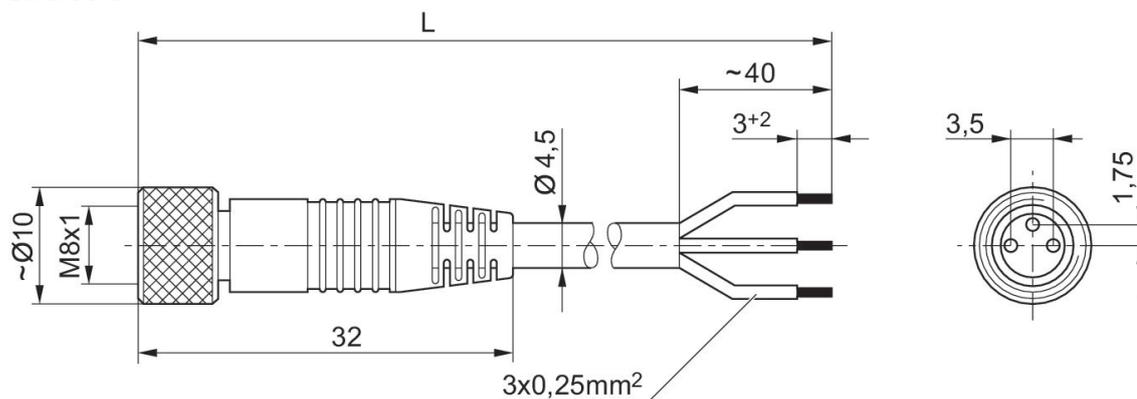
Round plug connector, Series CON-RD

Socket
M8x1
3-pin



Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Part No.
48 V AC/DC	Socket	M8x1	open cable ends	3	1834484166
48 V AC/DC	Socket	M8x1	open cable ends	5	1834484168
48 V AC/DC	Socket	M8x1	open cable ends	10	1834484247

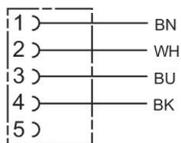
Dimensions



L = length

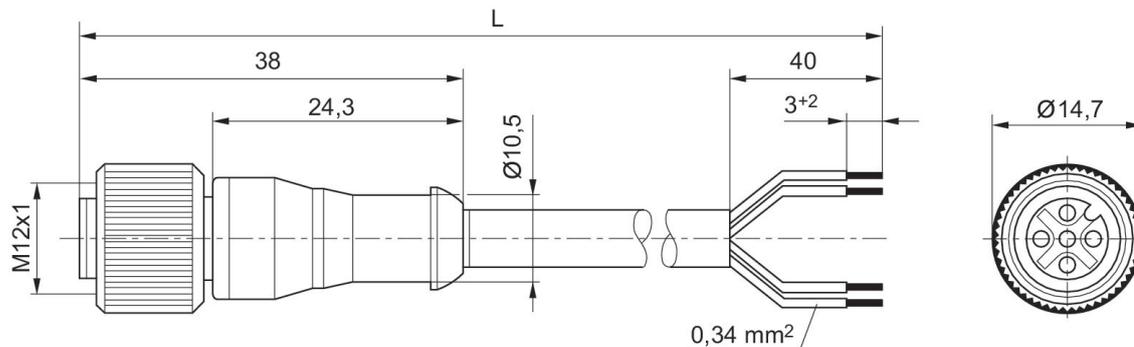
Round plug connector, Series CON-RD

Socket
M12x1
5-pin



Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Part No.
48 V AC/DC	Socket	M12x1	open cable ends	3	1834484256
48 V AC/DC	Socket	M12x1	open cable ends	5	1834484257
48 V AC/DC	Socket	M12x1	open cable ends	10	1834484258

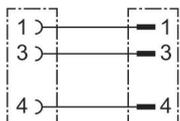
Dimensions



L = length

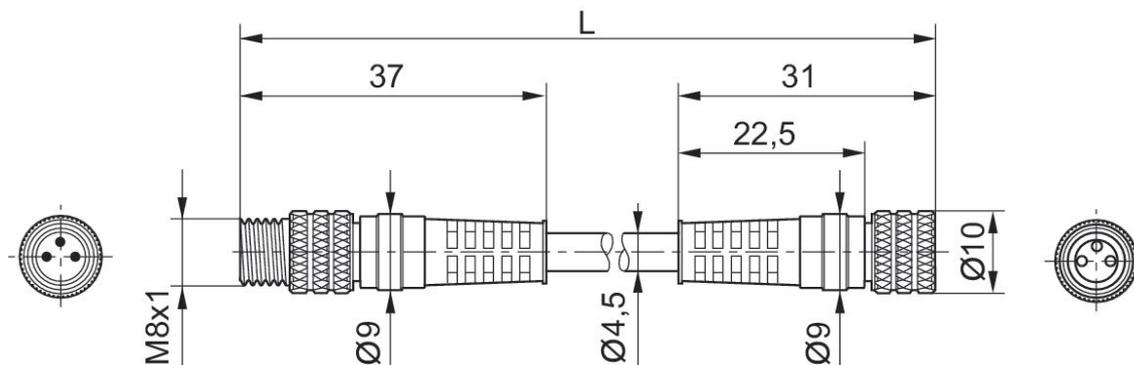
Round plug connector, Series CON-RD

Plug
M8x1
3-pin



Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Cable length [m]	Part No.
Socket	M8x1	Plug	1	8946203702
Socket	M8x1	Plug	2	8946203712
Socket	M8x1	Plug	5	8946203722

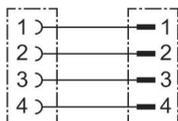
Dimensions



L = length

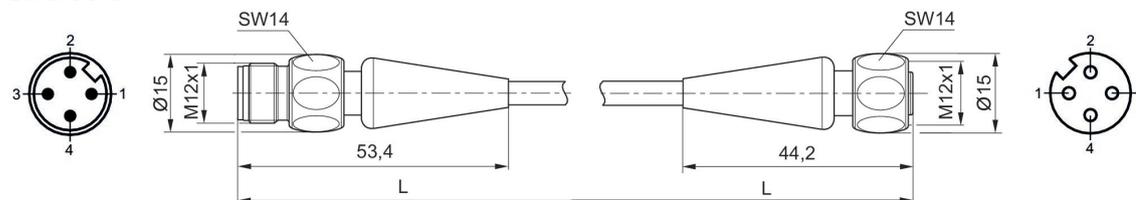
Round plug connector, Series CON-RD

Plug
Socket
M12x1
M12x1
4-pin



Operational voltage	Electrical connection 1, type	Electrical connection 1, thread size	Electrical connection 2, type	Electrical connection 2, thread size	Cable length [m]	Part No.
240 V AC	Socket	M12x1	Plug	M12x1	5	R402003760
240 V AC	Socket	M12x1	Plug	M12x1	10	R402003761
240 V AC	Socket	M12x1	Plug	M12x1	15	R402003762

Dimensions

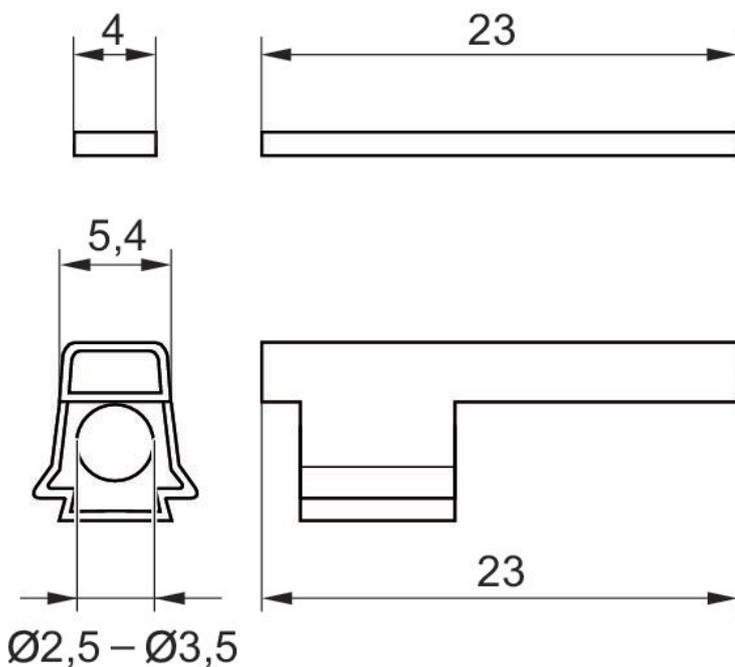


L = cable length

Name plate



Min. ambient temperature [°C]	Max. ambient temperature [°C]	Delivery unit [piece]	Housing material	Part No.
-40	100	10	Polycarbonate	R412026278



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