

Bearing block, Series AB7-HD

- Suitable for robust mechanical engineering applications, with fixed bearing
- Cylinder mounting in accordance with ISO 15552
- Suitable piston Ø 32 40 50 63 80 100 mm



Standards

ISO 15552

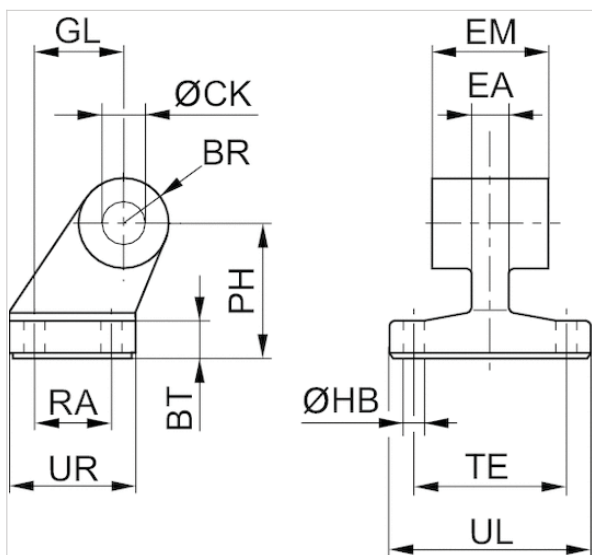
Technical data

Part No.	Piston Ø	Swivel bearing Ø
1825805275	32 mm	10 mm
1825805276	40 mm	12 mm
1825805277	50 mm	12 mm
1825805278	63 mm	16 mm
1825805279	80 mm	16 mm
1825805280	100 mm	20 mm

Technical information

Material	
Material	Nodular graphite iron
	galvanized
Screws	galvanized steel

Dimensions



Dimensions

Part No.	Piston Ø	BR	BT	Ø CK H9	Ø HB H13	EM	GL JS14	EA 1)	PH JS15
1825805275	32 mm	10	8	10	6.6	26 -0,2/-0,6	21	10	32
1825805276	40 mm	11	10	12	6.6	28 -0,2/-0,6	24	12	36
1825805277	50 mm	13	12	12	9	32 -0,2/-0,6	33	16	45
1825805278	63 mm	15	12	16	9	40 -0,2/-0,6	37	16	50
1825805279	80 mm	15	14	16	11	50 -0,2/-0,6	47	20	63
1825805280	100 mm	19	15	20	11	60 -0,2/-0,6	55	20	71

RA JS14	TE JS14	UL 1)	UR 1)
18	38	51	31
22	41	54	35
30	50	65	45
35	52	67	50
40	66	86	60
50	76	96	70

1) Max.

Bearing block, Series CS7

- With ball joint and foot
- Cylinder mounting in accordance with VDMA 24562 part 2
- Suitable piston Ø 32 40 50 63 80 100 mm



Standards

VDMA 24562 part 2

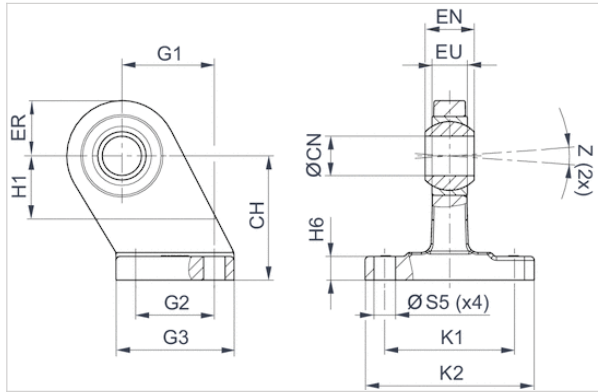
Technical data

Part No.	Piston Ø	Swivel bearing Ø
1827001784	32 mm	10 mm
1827001785	40 mm	12 mm
1827001786	50 mm	16 mm
1827001787	63 mm	16 mm
1827001788	80 mm	20 mm
1827001789	100 mm	20 mm

Technical information

Material	
Material	Nodular graphite iron
	galvanized

Dimensions



Dimensions

Part No.	Piston Ø	CH JS15	ØCN H7	EU 1)	EN -1,0	ER 1)	G1 JS14	G2 JS14	G3 1)	H1 2)
1827001784	32 mm	32	10	10.5	14	16	21	18	31	16
1827001785	40 mm	36	12	12	16	18	24	22	35	20
1827001786	50 mm	45	16	15	21	21	33	30	45	22
1827001787	63 mm	50	16	15	21	23	37	35	50	27
1827001788	80 mm	63	20	18	25	28	47	40	60	31
1827001789	100 mm	71	20	18	25	30	55	50	70	38

H6	K1 JS14	K2 1)	ØS5 H13	Z 2)
9 ±1	38	51	6.6	4°
9 ±1	41	54	6.6	4°
11 ±1	50	65	9	4°
11 ±1	52	67	9	4°
12 ±1,5	66	86	11	4°
13 ±1,5	76	96	11	4°

1) Max.

2) Min.

Clevis mounting, Series AB6

- Cylinder mounting in accordance with ISO 15552
- Suitable piston Ø 32 40 50 63 80 100 mm



Standards

ISO 15552

Technical data

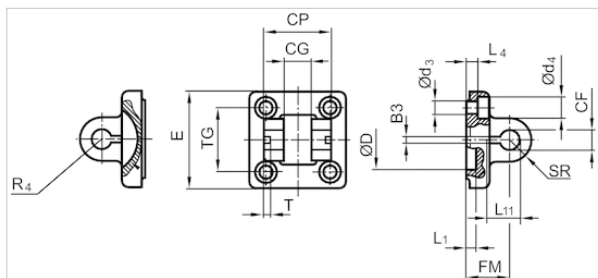
Part No.	Piston Ø	Swivel bearing Ø
1827001593	32 mm	10 mm
1827001594	40 mm	12 mm
1827001595	50 mm	16 mm
1827002024	63 mm	16 mm
1827001597	80 mm	20 mm
1827001598	100 mm	20 mm

Scope of delivery: clevis mounting incl. pivot pins and mounting screws

Technical information

Material	
Material	Aluminum (forged)
Screws	Steel
	galvanized

Dimensions



Dimensions

Part No.	Piston Ø	B3 ±0,2	Ø CF F7	CG D10	CP d12	Ø d3	Ø d4	Ø D	E	FM ±0,2	L1 1)
1827001593	32 mm	3.3	10	14	34	6.6	11	30	49	22	4.5
1827001594	40 mm	4.3	12	16	40	6.6	11	35	55	25	4.5
1827001595	50 mm	4.3	16	21	45	9	15	40	67	27	4.5
1827002024	63 mm	4.3	16	21	51	9	15	45	77	32	4.5
1827001597	80 mm	4.3	20	25	65	11	18	45	97	36	4.5
1827001598	100 mm	4.3	20	25	75	11	18	55	117	41	4.5

L4 ±0,5	L11 -0,5	R4	SR	T ±0,2	TG
5.5	16.5	17	11	3	32,5 ±0,2
5.5	18	20	12	4	38 ±0,2
6.5	23	22	15	4	46,5 ±0,2
6.5	23	25	15	4	56,5 ±0,2
10	27	30	20	4	72 ±0,2
10	27	32	20	4	89 ±0,2

1) Min.

Clevis mounting, Series AB3

- Suitable piston Ø 12 16 20 25 mm



The delivered product may vary from that in the illustration.

Technical data

Part No.	Piston Ø	Swivel bearing Ø	Fig.
1827001446	12 16 mm	6 mm	Fig. 1
1827001445	20 25 mm	8 mm	Fig. 1

Scope of delivery: clevis mounting incl. pivot pins

Technical information

Material	
Material	Steel
	galvanized

Dimensions

Fig. 1

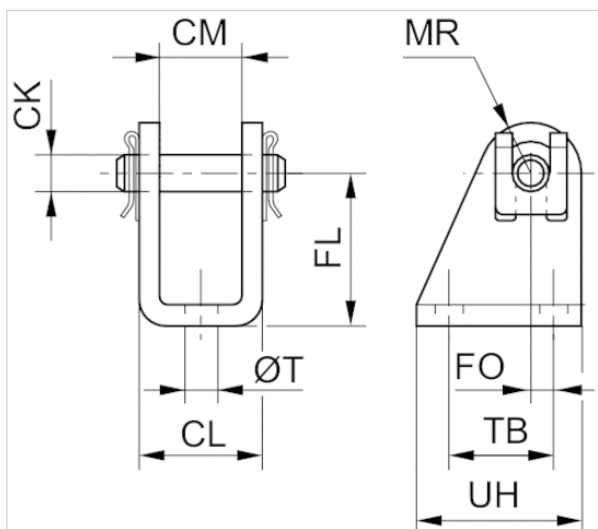
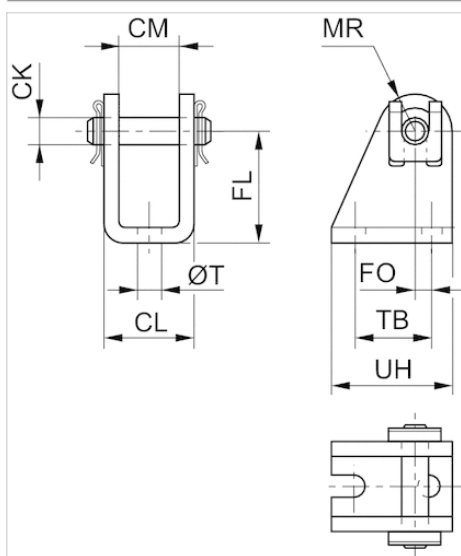


Fig. 2



Dimensions

Part No.	Piston Ø	CM	Ø CK	CL	FL	FO	MR	Ø T	TB	UH	Fig.
1827001446	12 16 mm	12,1	6	18,1	27	2,0	7	5,5	15	25	Fig. 1
1827001445	20 25 mm	16,1	8	24,1	30	4,0	10	6,6	20	32	Fig. 1

Clevis mounting MP2-HD

- Suitable for robust mechanical engineering applications
- Cylinder mounting in accordance with ISO 15552
- Suitable piston Ø 32 40 50 63 80 100 mm



Standards

ISO 15552

Technical data

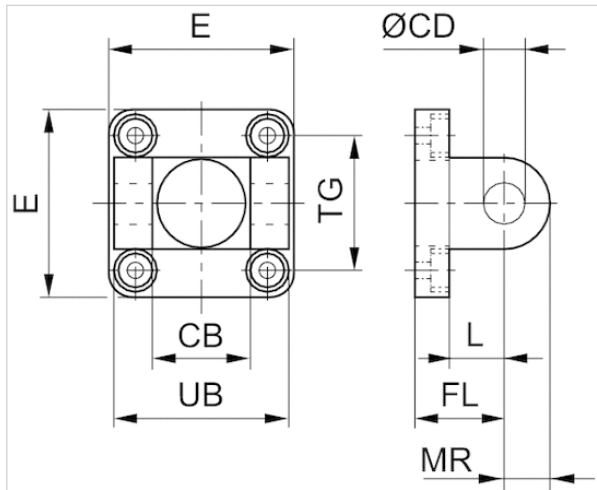
Part No.	Piston Ø	Swivel bearing Ø
1827001289	32 mm	10 mm
1827001290	40 mm	12 mm
1827001291	50 mm	12 mm
1827001500	63 mm	16 mm
1827001293	80 mm	16 mm
1827001294	100 mm	20 mm

Scope of delivery: clevis mounting incl. mounting screws

Technical information

Material	
Material	Aluminum (forged)
Screws	Steel
	galvanized

Dimensions



Dimensions

Part No.	Piston Ø	CB H14	Ø CD H9	E	FL ±0.2	L 1)	MR 2)	UB h13	TG
1827001289	32 mm	26	10	49 ±1	22	12	10	45	32.5 ±0.2
1827001290	40 mm	28	12	53 ±1	25	15	13	52	38 ±0.2
1827001291	50 mm	32	12	63 ±1	27	15	13	60	46.5 ±0.2
1827001500	63 mm	40	16	73 ±1	32	18	17	70	56.5 ±0.2
1827001293	80 mm	50	16	98 ±1	36	20	17	90	72.0 ±0.2
1827001294	100 mm	60	20	115 ±1	41	25	18	110	89.0 ±0.2

1) Min.

2) Max.

Rear eye, Series MP4-HD

- Suitable for robust mechanical engineering applications, for clevis mounting MP2 and AB3
- Cylinder mounting in accordance with ISO 21287 ISO 15552
- Suitable piston Ø 16 20 25 32 40 50 63 80 100 mm



Standards

See table below

Technical data

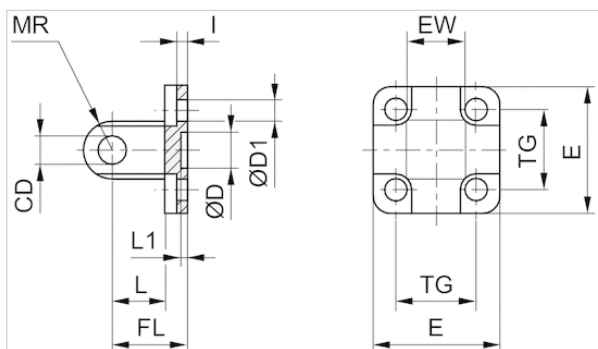
Part No.	Piston Ø	Swivel bearing Ø	Standardization	Housing material	Surface
1825805368	16 mm	6 mm	-	Die-cast aluminum	-
1827002300	20 mm	8 mm	ISO 21287	Steel	galvanized
1827002301	25 mm	8 mm	ISO 21287	Steel	galvanized
1827001283	32 mm	10 mm	ISO 15552	Aluminum (forged)	-
1827001284	40 mm	12 mm	ISO 15552	Aluminum (forged)	-
1827001285	50 mm	12 mm	ISO 15552	Aluminum (forged)	-
1827020086	63 mm	16 mm	ISO 15552	Aluminum (forged)	-
1827001287	80 mm	16 mm	ISO 15552	Aluminum (forged)	-
1827001288	100 mm	20 mm	ISO 15552	Aluminum (forged)	-

Scope of delivery: clevis incl. mounting screws

Technical information

Material	
Material	Die-cast aluminum Steel Aluminum (forged)
	galvanized
Screws	Steel
	galvanized

Dimensions



Dimensions

Part No.	Piston Ø	CD H9	Ø D	Ø D1	E	EW	FL ±0,2	I ±0,5	L 1)	L1 1)	MR 2)
1825805368	16 mm	6	10 H13	4.5	27	12 -0,2/-0,6	16	2.6	10	3	6
1827002300	20 mm	8	12 H13	5.5	34	16 -0,2/-0,6	20	2.6	14	3	8
1827002301	25 mm	8	12 H13	5.5	40	16 -0,2/-0,6	20	2.6	14	3	8
1827001283	32 mm	10	30 H11	6.6	48	26 -0,2/-0,6	22	5.5	12	4.5	10
1827001284	40 mm	12	35 H11	6.6	53	28 -0,2/-0,6	25	5.5	15	4.5	12
1827001285	50 mm	12	40 H11	9	63	32 -0,2/-0,6	27	6.5	15	4.5	12
1827020086	63 mm	16	45 H11	9	73	40 -0,2/-0,6	32	6.5	20	4.5	16
1827001287	80 mm	16	45 H11	11	98	50 -0,2/-0,6	36	10	20	4.5	16
1827001288	100 mm	20	55 H11	11	115	60 -0,2/-0,6	41	10	25	4.5	20

TG
18 ±0,2
22 ±0,4
26 ±0,4
32,5 ±0,2
38 ±0,2
46,5 ±0,2
56,5 ±0,2
72 ±0,2
89 ±0,2

1) Min.

2) Max.

Rear eye, Series MP6

- With ball joint and foot
- Cylinder mounting in accordance with ISO 15552
- Suitable piston Ø 32 40 50 63 80 100 mm



Standards
Weight

ISO 15552
See table below

Technical data

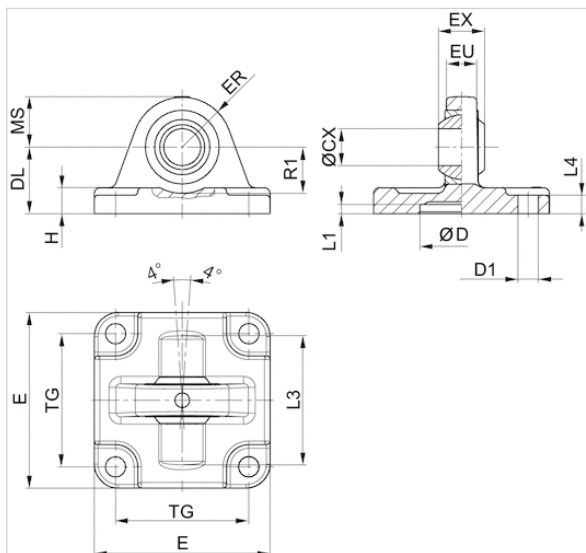
Part No.	Piston Ø	Swivel bearing Ø	Bearing material, inner ring	Bearing material, outer ring	Weight
1827001619	32 mm	10 mm	Stainless steel	Brass with PTFE coating	0,1 kg
1827001620	40 mm	12 mm	Stainless steel	Brass with PTFE coating	0,1 kg
1827001621	50 mm	16 mm	Stainless steel	Brass with PTFE coating	0,2 kg
1827020087	63 mm	16 mm	Stainless steel	Brass with PTFE coating	0,3 kg
1827001623	80 mm	20 mm	Stainless steel	Brass with PTFE coating	0,6 kg
1827001624	100 mm	20 mm	Stainless steel	Brass with PTFE coating	0,8 kg

Scope of delivery: clevis incl. mounting screws

Technical information

Material	
Material	Aluminum (forged)
Screws	galvanized steel
Bearing	Stainless steel

Dimensions



Dimensions

Part No.	Piston Ø	ØCX H7	ØD H11	ØD1 H13	DL ±0,2	E	EX -0,1	ER	EU	H	L1 1)	L3
1827001619	32 mm	10	30	6.6	22	47	14	15	10.5	9	4.5	36
1827001620	40 mm	12	35	6.6	25	53	16	18	12	9	4.5	42
1827001621	50 mm	16	40	9	27	65	21	20	15	10.5	4.5	48
1827020087	63 mm	16	45	9	32	75	21	23	15	10.5	4.5	55
1827001623	80 mm	20	45	11	36	95	25	27	18	14	4.5	70
1827001624	100 mm	20	55	11	41	115	25	30	18	15	4.5	80

L4	MS -0,5	R1 1)	TG
5.5	15	12	32,5 ±0,2
5.5	18	15	38 ±0,2
6.5	21	19	46,5 ±0,2
6.5	23	21	56,5 ±0,2
10	27	24	72 ±0,2
10	30	25	89 ±0,2

1) Min.

Rear eye, Series MP9

- With rubber bushing
- Cylinder mounting in accordance with ISO 15552
- Suitable piston Ø 32 40 50 63 80 100 mm



Standards
Weight

ISO 15552
See table below

Technical data

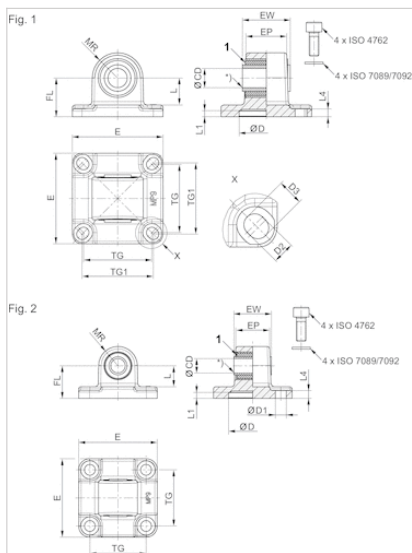
Part No.	Piston Ø	Swivel bearing Ø	Weight	Fig.
3683203000	32 mm	10 mm	0,092 kg	Fig. 2
3683204000	40 mm	12 mm	0,143 kg	Fig. 1
3683205000	50 mm	12 mm	0,217 kg	Fig. 2
3683206000	63 mm	16 mm	0,411 kg	Fig. 1
3683208000	80 mm	16 mm	0,64 kg	Fig. 2
3683210000	100 mm	20 mm	0,956 kg	Fig. 1

Scope of delivery: clevis incl. mounting screws

Technical information

Material	
Material	Aluminum (forged)
	Plain bearing material: bronze (Ø125: steel, galvanized)

Dimensions



1) Rubber bushing

Dimensions

Part No.	Piston Ø	CD H11	CD H9	E	EW	EP	TG	TG1 ±0,2	FL ±0,2	L 1)	MR	L1	L4
3683203000	32 mm	10	-	46	25.5	18,9	32.5	-	22	13.8	12.5	5	5.5
3683204000	40 mm	-	12	53	27	23,5	38	40	25	16.3	15	5	5.5
3683205000	50 mm	-	12	65	31	28	46.5	-	27	17.3	16	5	6.5
3683206000	63 mm	-	16	75	39.5	33.5	56.5	59	32	22.3	21	5	6.5
3683208000	80 mm	-	16	94.5	49.5	43	72	-	36	21.8	22	5	10
3683210000	100 mm	-	20	114	59.5	54	89	90	41	25.8	25	5	10

D H11	D1 H13	D2 -0,2	D3 -0,2	Fig.
30	6.6	-	-	Fig. 2
35	-	6.6	8	Fig. 1
40	9	-	-	Fig. 2
45	6.6	-	-	Fig. 1
45	11	-	-	Fig. 2
55	-	11	11.7	Fig. 1

1) Min.

2) CAD files *_iso.* (suitable for cylinders according to ISO 21287) and *_167.* (suitable for 167 series cylinders)

3) suitable for 167 series cylinders

Trunnion mounting, front or rear, Series MT5, MT6

- Suitable piston Ø 20 25 32 40 50 63 80 100 mm



Weight

See table below

The delivered product may vary from that in the illustration.

Technical data

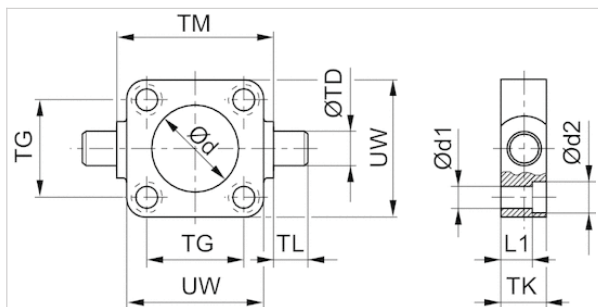
Part No.	Piston Ø	For series	Weight
1825805360	20 mm	CCI KPZ CCL-IC/-IS	0,104 kg
1825805361	25 mm	CCI KPZ CCL-IC/-IS	0,122 kg
1827001609	32 mm	CCI CVI CCL-IC/-IS PRA/TRB	0,29 kg
1827001610	40 mm	CCI CVI CCL-IC/-IS PRA/TRB	0,5 kg
1827001611	50 mm	CCI CVI CCL-IC/-IS PRA/TRB	0,7 kg
1827002046	63 mm	CCI CVI CCL-IC/-IS PRA/TRB	1,1 kg
1827001613	80 mm	CCI CVI CCL-IC/-IS PRA/TRB	1,5 kg
1827001614	100 mm	CCI CVI CCL-IC/-IS PRA/TRB	2,7 kg

Scope of delivery: trunnion mounting incl. mounting screws

Technical information

Material	
Material	Nodular graphite iron
	galvanized
Screws	Steel
	galvanized

Dimensions



Dimensions

Part No.	Piston Ø	Ø d H11	Ø d1	Ø d2	L1	TD e9	TG ±0,2	TK	TL h14	TM h14	UW
1825805360	20 mm	18	5.5	10	8	12	22	14	12	38	35
1825805361	25 mm	22	5.5	10	8	12	26	14	12	42	39
1827001609	32 mm	30	6.6	11	7.5	12	32.5	16	12	50	48
1827001610	40 mm	35	6.6	11	7.5	16	38	20	16	63	56
1827001611	50 mm	40	9	15	10	16	46.5	24	16	75	65
1827002046	63 mm	45	9	15	10	20	56.5	24	20	90	75
1827001613	80 mm	45	11	18	16	20	72	28	20	110	100
1827001614	100 mm	55	11	18	25.5	25	89	38	25	132	120

Bearing brackets MT4, MT5, MT6, Series AT4

- Cylinder mounting in accordance with ISO 15552
- Suitable piston Ø 20 25 32 40 50 63 80 100 125 mm



Standards

ISO 15552

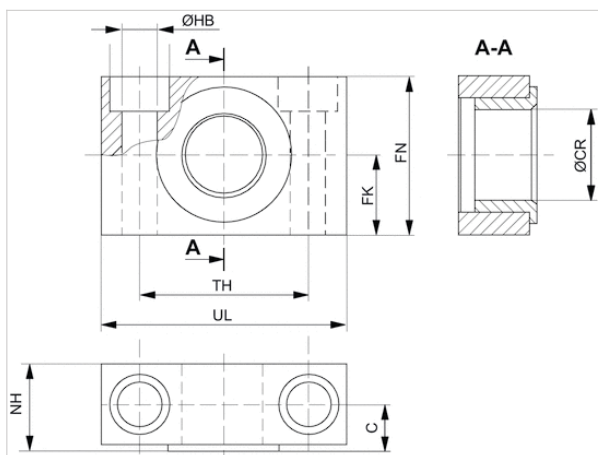
Technical data

Part No.	Piston Ø	Swivel bearing Ø	For series	Scope of delivery
1827001603	20 25 32 mm	12 mm	CCI CCL-IC ICL KPZ PRA/TRB	2 piece
1827001604	40 50 mm	16 mm	CCI CCL-IC KPZ PRA/TRB	2 piece
1827001605	63 80 mm	20 mm	CCI CCL-IC KPZ PRA/TRB	2 piece
1827001606	100 125 mm	25 mm	CCI CCL-IC KPZ PRA/TRB	2 piece

Technical information

Material	
Material	Steel
	galvanized
Guide bushing	Sintered bronze

Dimensions



Dimensions

Part No.	Piston $\varnothing$	UL	NH	TH	C	CR H9	HB H13	FN	FK	Plain bearing
1827001603	20 25 32 mm	46	18	32 $\pm 0,2$	10.5	12	6.6	30	15 $\pm 0,1$	Sintered bronze
1827001604	40 50 mm	55	21	36 $\pm 0,2$	12	16	9	36	18 $\pm 0,1$	Sintered bronze
1827001605	63 80 mm	65	23	42 $\pm 0,2$	13	20	11	40	20 $\pm 0,1$	Sintered bronze
1827001606	100 125 mm	75	28.5	50 $\pm 0,2$	16	25	14	50	25 $\pm 0,1$	Sintered bronze

Flange mounting, Series MF1, MF2

- Cylinder mounting in accordance with ISO 15552
- Suitable piston Ø 32 40 50 63 80 100 mm



Standards

ISO 15552

Technical data

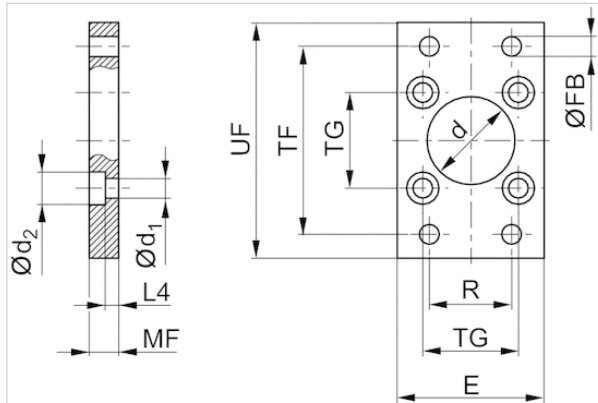
Part No.	Piston Ø	Swivel bearing Ø
1827001277	32 mm	30 mm
1827001278	40 mm	35 mm
1827001279	50 mm	40 mm
1827001499	63 mm	45 mm
1827001281	80 mm	45 mm
1827001282	100 mm	55 mm

Scope of delivery: flange mounting incl. mounting screws

Technical information

Material	
Material	Steel
	galvanized
Screws	Steel
	galvanized

Dimensions



Dimensions

Part No.	Piston Ø	Ød H11	Ød1	Ød2	E 1)	ØFB	L4	MF	R	TF	TG	UF
1827001277	32 mm	30	6.6	11	50	7	4.5	10	32	64	32,5 ±0,2	80
1827001278	40 mm	35	6.6	11	55	9	4.5	10	36	72	38 ±0,2	90
1827001279	50 mm	40	9	15	65	9	6	12	45	90	46,5 ±0,2	110
1827001499	63 mm	45	9	15	75	9	6	12	50	100	56,5 ±0,2	125
1827001281	80 mm	45	11	18	100	12	9	16	63	126	72 ±0,2	154
1827001282	100 mm	55	11	18	120	14	9	16	75	150	89 ±0,2	186

1) Max.

Flange mounting MF1, MF2

- Suitable piston Ø 16 20 25 mm



Weight

See table below

Technical data

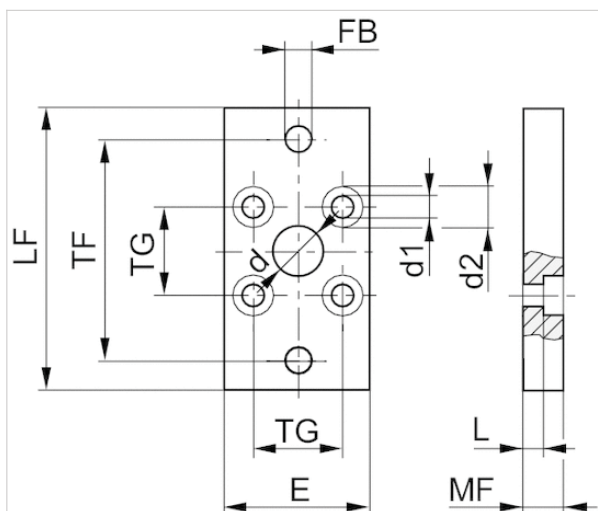
Part No.	Piston Ø	Swivel bearing Ø	Weight
1821038241	16 mm	10 mm	0,05 kg
1827002292	20 mm	12 mm	0,18 kg
1827002293	25 mm	12 mm	0,23 kg

Scope of delivery: flange mounting incl. mounting screws

Technical information

Material	
Material	Steel
	galvanized

Dimensions



Dimensions

Part No.	Piston Ø	Ød H11	Ød1	Ød2	E 1)	ØFB	L4	MF	R	TF	TG	UF
1821038241	16 mm	10	4.5	10	29	5.5	5.6	10	–	43	18	55
1827002292	20 mm	12	5.5	10	36	6.6	4.6	10	–	55	22	70
1827002293	25 mm	12	5.5	10	40	6.6	4.6	10	–	60	26	76

1) Max.

Intermediate flange, Series JP2

- for multi-position cylinders

- Suitable piston Ø 16 20 25 32 40 50 63 80 100 mm



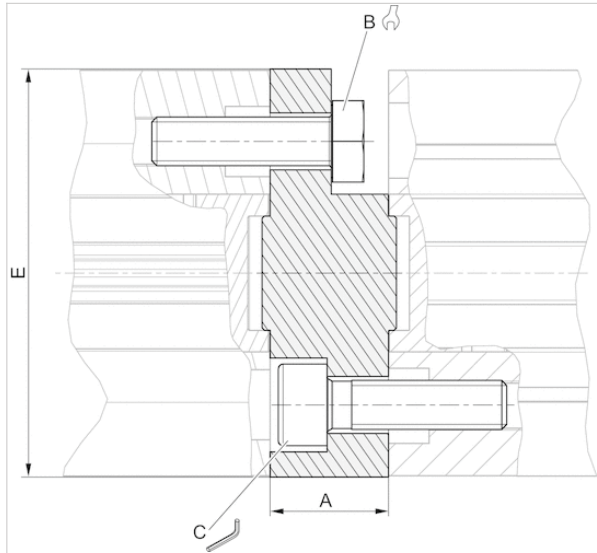
Technical data

Part No.	Piston Ø	For series
1827020290	16 mm	CCI KPZ
1827020267	20 mm	CCI KPZ
1827020268	25 mm	CCI KPZ
1827020269	32 mm	CCI KPZ
1827020270	40 mm	CCI KPZ
1827020271	50 mm	CCI KPZ
1827020272	63 mm	CCI KPZ
R412024535	80 mm	CCI
R412024536	100 mm	CCI

Technical information

Material	
Material	Aluminum

Dimensions



Dimensions

Part No.	For series	A	B	C	Md [Nm] 1)	E
1827020290	CCI KPZ	12.5	7	–	2.5	28.4
1827020267	CCI KPZ	12.5	8	–	4	35
1827020268	CCI KPZ	13	8	4	4	40
1827020269	CCI KPZ	14.5	10	5	4	50
1827020270	CCI KPZ	14.5	10	5	4	57.1
1827020271	CCI KPZ	14.5	13	6	8	67.4
1827020272	CCI KPZ	14.5	13	6	8	80
R412024535	CCI	16.5	16	8	16	95
R412024536	CCI	19.5	16	8	16	115

1) torque

Foot mounting, Series MS1

- to mount on cylinder PRA, TRB, CCL-IS/-IC, CCI, KPZ, 167, CVI, ITS
- Cylinder mounting in accordance with ISO 15552
- Suitable piston Ø 16 20 25 32 40 50 63 80 100 mm



Standards

See table below

Technical data

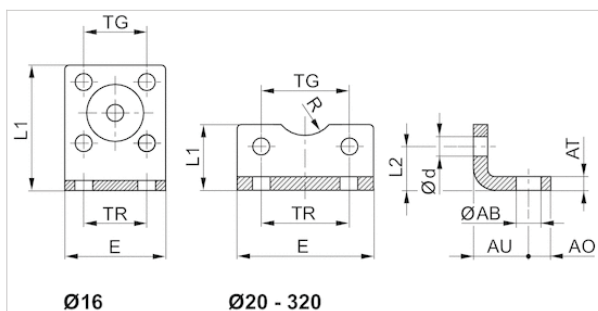
Part No.	Piston Ø	For series	Standardization
1821332053	16 mm	-	-
1827002284	20 mm	-	-
1827002285	25 mm	-	-
1827001271	32 mm	-	ISO 15552
1827001272	40 mm	-	ISO 15552
1827001273	50 mm	-	ISO 15552
1827001498	63 mm	-	ISO 15552
1827001275	80 mm	-	ISO 15552
1827001276	100 mm	CCI CCL-IC/-IS PRA/TRB CVI	ISO 15552

Scope of delivery: 2 foot mountings incl. mounting screws

Technical information

Material	
Material	Steel
	galvanized
Screws	Steel
	galvanized

Dimensions



Dimensions

Part No.	Piston Ø	ØAB	AO	AT	AU ±0,2	Ød	E	L1	L2	R	TG	TR
1821332053	16 mm	5.5	5	3	13	4.5	29	35.5	13	8	18 ±0,2	18
1827002284	20 mm	6.6	6	4	16	5.4	36	22	16	10	22 ±0,2	22
1827002285	25 mm	6.6	6	4	16	5.4	40	23	17	11	26 ±0,2	26
1827001271	32 mm	7	8	4 ±0,3	24	6.6	48	25	15.5	15	32,5 ±0,2	32
1827001272	40 mm	10	10	4 ±0,3	28	6.6	56	26	17	17.5	38 ±0,2	36
1827001273	50 mm	10	11	5 ±0,3	32	9	68	32	21.5	20	46,5 ±0,2	45
1827001498	63 mm	10	13	5 ±0,3	32	9	78	34	21.5	22.5	56,5 ±0,2	50
1827001275	80 mm	12	16	6 ±0,5	41	11	98	47	27	22.5	72 ±0,2	63
1827001276	100 mm	14.5	19	6 ±0,5	41	11	117	52	26.5	27.5	89 ±0,2	75

Foot mounting, long, Series M59

- Suitable piston Ø 32 40 50 63 80 100 mm



Technical data

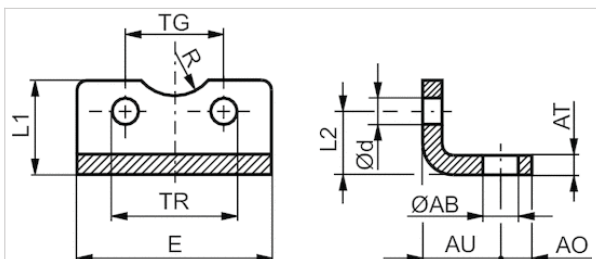
Part No.	Piston Ø
1827001018	32 mm
1827001019	40 mm
1827001020	50 mm
1827020085	63 mm
1827001022	80 mm
1827001023	100 mm

Scope of delivery: 2 foot mountings incl. mounting screws

Technical information

Material	
Material	Steel
	galvanized
Screws	Steel
	galvanized

Dimensions



Dimensions

Part No.	Piston Ø	Ø AB H13	AO	AT	AU	Ø d	E	L1	L2	R	TG ±0,1	TR JS14
1827001018	32 mm	7	12	5	18	6.6	79	30	15.8	15	32.5	65
1827001019	40 mm	10	12	5	18	6.6	90	30	17	17.5	38	75
1827001020	50 mm	10	14	5	21	9	110	35	21.7	20	46.5	90
1827020085	63 mm	10	14	5	21	9	120	35	21.7	25	56.5	100
1827001022	80 mm	12	13	5	27	11	153	50	27	22.5	72	128
1827001023	100 mm	14.5	13	5	27	11	178	50	26.5	27.5	89	148

Bolts, A4

- Suitable piston Ø 32 40 50 63 80 100 mm



Weight

See table below

Technical data

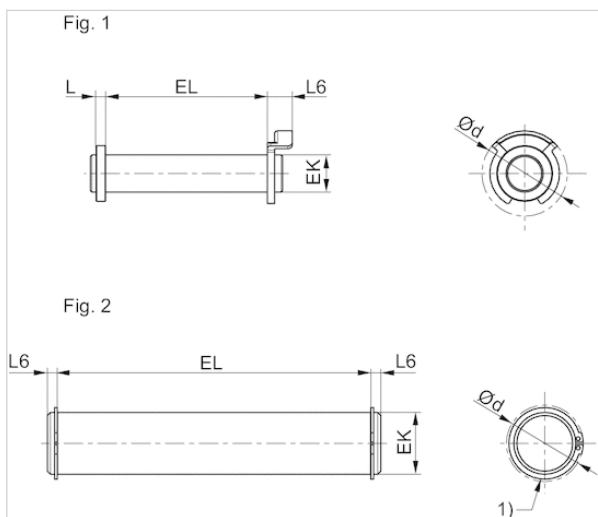
Part No.	Piston Ø	Weight	Fig.
1823120020	32 mm	0,03 kg	Fig. 1
1823120021	40 mm	0,05 kg	Fig. 1
1823120022	50 mm	0,06 kg	Fig. 1
1823120023	63 mm	0,12 kg	Fig. 1
1823120024	80 mm	0,15 kg	Fig. 1
1823120025	100 mm	0,29 kg	Fig. 1

Scope of delivery: pivot pins incl. circlips

Technical information

Material	
Material	Steel
	galvanized

Dimensions



Dimensions

Part No.	Piston Ø	Ø d 1)	EK e8	EL	L 1)	L6 1)	Fig.
1823120020	32 mm	20	10	45.2 +0,3	3.5	9	Fig. 1
1823120021	40 mm	22	12	52.2 +0,3	4	9	Fig. 1
1823120022	50 mm	22	12	60.2 +0,3	4	9	Fig. 1
1823120023	63 mm	28	16	70.2 +0,3	4.5	11	Fig. 1
1823120024	80 mm	28	16	90.2 +0,3	4.5	11	Fig. 1
1823120025	100 mm	38	20	110.2 +0,3	5	11	Fig. 1

1) Max.

Mounting kit



Weight

0,02 kg

Technical data

Part No.

1827020275

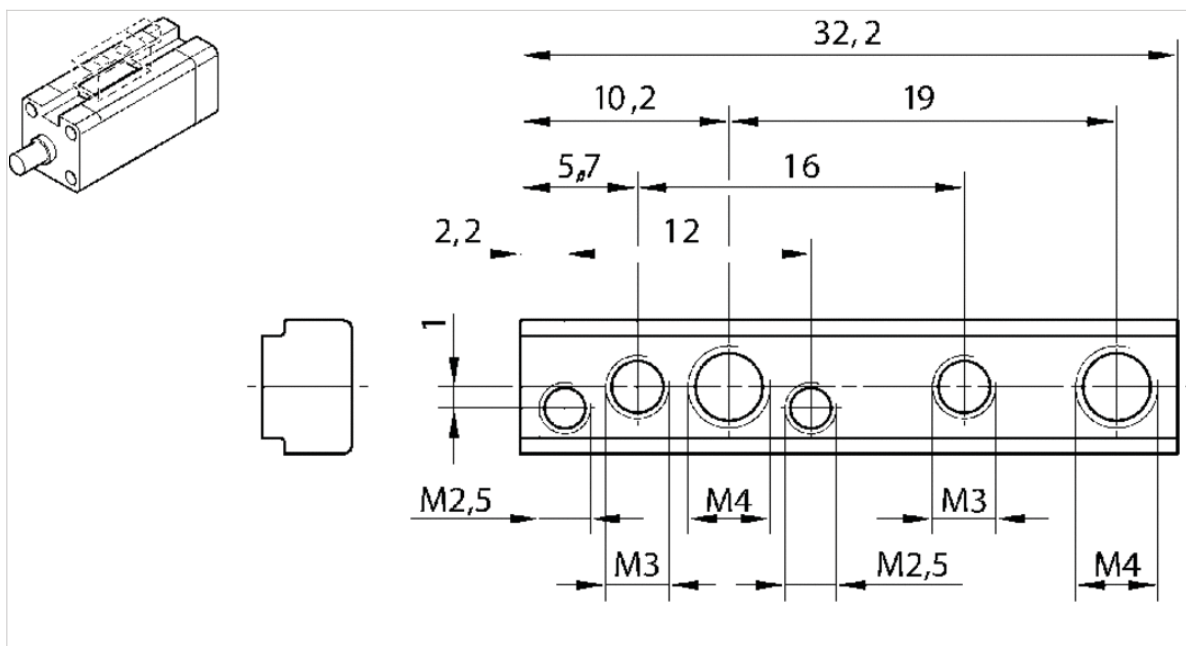
Technical information

Material

Housing

Brass

Dimensions



Dimensions

Part No.	Ø mm	Material Screws	Surface Screws
1827020275	16-100	Steel	galvanized

Nut for piston rod, Series MR9



Weight

See table below

Technical data

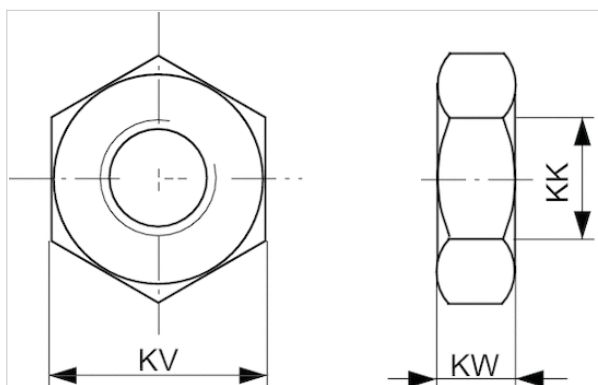
Part No.	Suitable piston rod thread	Material	Weight	
1823300033	M6	Steel, galvanized	0,004 kg	-
1823300034	M8	Steel, galvanized	0,005 kg	-
1823A00020	M10x1,25	Steel, galvanized	0,01 kg	-
8103190344	M12x1,25	Steel, galvanized	0,012 kg	-
1823300030	M16x1,5	Steel, galvanized	0,017 kg	-
3330320000	M8	Stainless steel	0,006 kg	-
3590302000	M10x1,25	Stainless steel	0,01 kg	-
3590304000	M12x1,25	Stainless steel	0,02 kg	-
3590305000	M16x1,5	Stainless steel	0,03 kg	1)

1) 3590305000 can also be used as an MR3, nut for cylinder mounting.

Technical information

Material	
	Steel Stainless steel
	galvanized

Dimensions



Dimensions

Part No.	KK	KV	KW
1823300033	M6	10	3.2
1823300034	M8	13	4
8103190344	M12x1,25	19	6
1823300030	M16x1,5	24	8
3330320000	M8	13	4
3590302000	M10x1,25	16	5
3590304000	M12x1,25	19	6
3590305000	M16x1,5	24	8

Rod clevis with lock washer, Series AP2

- to mount on cylinder CCL-IS/IC, CCI, SSI, CSL-RD, ICM, ICS-D2, 167



Weight

See table below

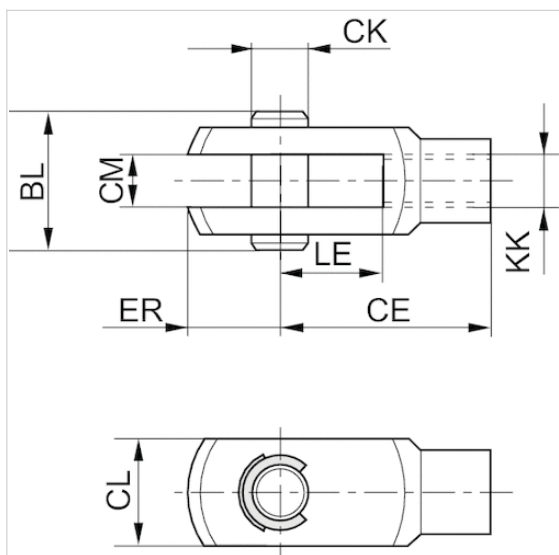
Technical data

Part No.	Suitable piston rod thread	for	Weight
3330510000	M4	SSI ICM	0,01 kg
3330516000	M6	CSL-RD SSI ICM	0,02 kg
3330520000	M8	CCL-IC CSL-RD CCI ICM	0,05 kg
3590502000	M10x1,25	CCL-IS CCL-IC CCI CSL-RD SSI ICM ICS-D2 167	0,1 kg
3590504000	M12x1,25	CCL-IS CCL-IC CCI SSI 167 ICS-D2	0,16 kg
3590505000	M16x1,5	CCL-IS ICS-D2 167	0,4 kg

Technical information

Material
Stainless steel

Dimensions



Dimensions

Part No.	KK	CE	CK e8	CL	CM B12	ER	BL	LE
3330510000	M4	16	4	10	5	6	15	8
3330516000	M6	24	6	12	6	7	17	12
3330520000	M8	32	8	16	8	10	22	16
3590502000	M10x1,25	40	10	20	10	12	26	20
3590504000	M12x1,25	48	12	24	12	14	31	24
3590505000	M16x1,5	64	16	32	16	19	39	32

Rod clevis, Series AP2

- to mount on cylinder PRA, TRB, CCI, MNI, ICM, KPZ, KHZ, 167, CVI, RPC, RDC, ITS



Weight

See table below

Technical data

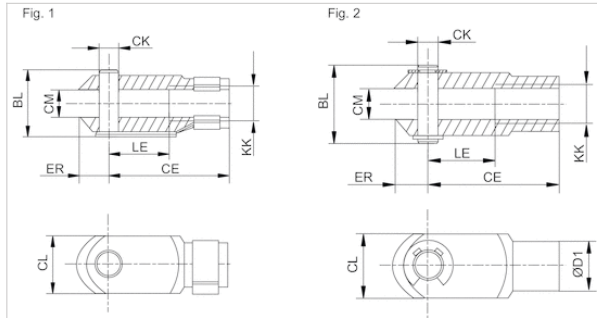
Part No.	Suitable piston rod thread	for	Weight
1822122009	M6	CCI MNI ICM KHZ	0,02 kg
1822122010	M8	CCI MNI ICM KHZ	0,05 kg
1822122024	M10x1,25	PRA TRB CCI MNI ICM KPZ 167 CVI RPC RDC	0,1 kg
1822122025	M12x1,25	PRA TRB CCI KPZ 167 CVI RPC 102	0,16 kg
1822122005	M16x1,5	PRA TRB CCI KPZ 167 CVI RPC RDC 102	0,4 kg

Part No.	Fig.
1822122009	Fig. 1
1822122010	Fig. 1
1822122024	Fig. 1
1822122025	Fig. 1
1822122005	Fig. 1

Technical information

Material
Steel
galvanized

Dimensions



Dimensions

Part No.	KK	BL	CE	ØCK e11	CL	CM	ØD1	ER	LE	Fig.
1822122009	M6	16	24	6	12	6	10	7	12	Fig. 1
1822122010	M8	21,5	32	8	16	8	14	10	16	Fig. 1
1822122024	M10x1,25	26	40	10	20	10	18	12	20	Fig. 1
1822122025	M12x1,25	31	48	12	24	12	20	14	24	Fig. 1
1822122005	M16x1,5	39	64	16	32	16	26	19	32	Fig. 1

Rod clevis, Series PM6



Technical data

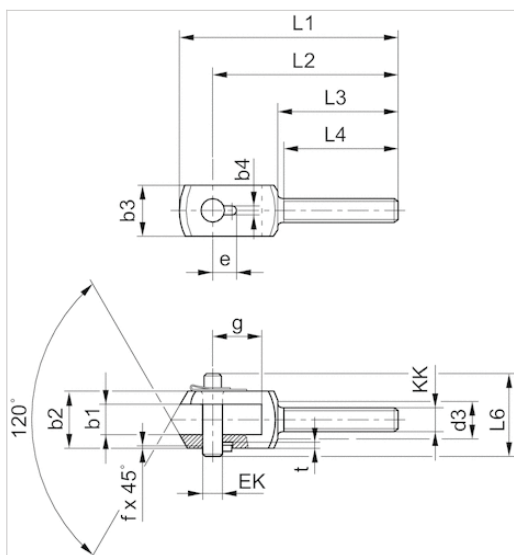
Part No.	for	Swivel bearing Ø
1822122032	AP6	14 mm
1822122033	AP6	16 mm
1822122034	AP6	21 mm

Scope of delivery incl. bolt

Technical information

Material	
	Steel
	galvanized

Dimensions



Dimensions

Part No.	b1 B12	b2 d12	b3	b4 +0,2	d3	e +0,3	EK	f	g	L1	L2	L3	L4 +1	L6	t +0,2
1822122032	14	28	20	3.3	17	11.5	10	0.7	20	90	78	53	50	35	3
1822122033	16	30	25	4.3	19	12	12	1	26	108	92	58	55	39	3
1822122034	21	40	35	4.3	24	14	16	1	31	129	108	65	62	50	3

Ball eye rod end with flange, Series AP6

- to mount on cylinder PRA, TRB, CCI, SSI, MNI, RPC, KPZ, 167, CVI, RDC, 102, ITS



Weight

See table below

Technical data

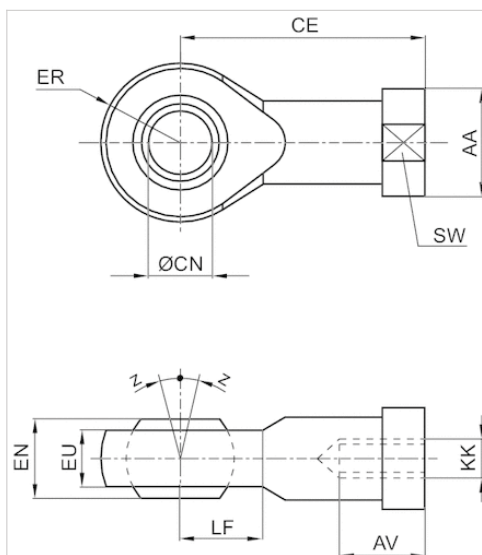
Part No.	Suitable piston rod thread	for	Swivel bearing Ø
1822124001	M6	MNI CCI SSI	6 mm
1822124002	M8	MNI CCI SSI KPZ	8 mm
1822124003	M10x1,25	PRA TRB MNI CCI SSI RPC KPZ 167 CVI RDC	10 mm
1822124004	M12x1,25	PRA TRB CCI SSI RPC KPZ 167 CVI 102	12 mm
1822124005	M16x1,5	PRA TRB CCI SSI RPC KPZ 167 CVI RDC 102	16 mm

Part No.	Weight
1822124001	0,03 kg
1822124002	0,05 kg
1822124003	0,07 kg
1822124004	0,12 kg
1822124005	0,21 kg

Technical information

Material
Steel
galvanized

Dimensions



Dimensions

Part No.	KK	AA	AV min.	CE	Ø CN H7	EN -0,1	ER	EU max.	LF	SW	Z [°] max.
1822124001	M6	13	9	30	6	9	10	7.5	10	11	4
1822124002	M8	16	12	36	8	12	12	9.5	12	14	4
1822124003	M10x1,25	19	15	43	10	14	14	11.5	14	17	4
1822124004	M12x1,25	22	18	50	12	16	16	12.5	16	19	4
1822124005	M16x1,5	27	24	64	16	21	21	15.5	21	22	4

Ball eye rod end with flange, Series AP6

- to mount on cylinder CCL-IS/IC, SSI, CSL-RD, ICM, ICS-D2



Weight

See table below

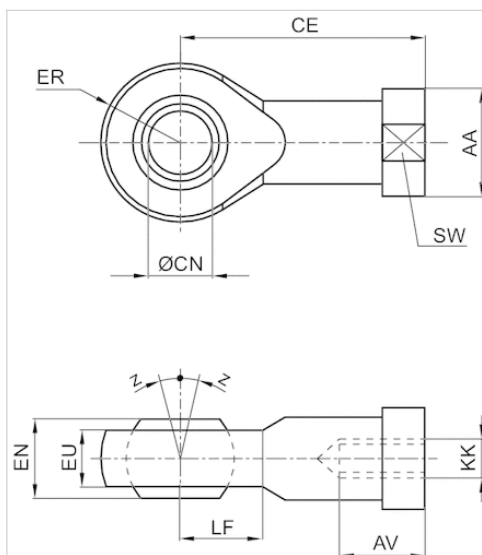
Technical data

Part No.	Suitable piston rod thread	for	Swivel bearing Ø	Weight
8958209032	M10x1,25	CCL-IS CCL-IC SSI CSL-RD ICM ICS-D2	10 mm	0,09 kg
8958209042	M12x1,25	CCL-IS CCL-IC SSI ICS-D2	12 mm	0,12 kg
8958209052	M16x1,5	CCL-IS CCL-IC SSI ICS-D2	16 mm	0,23 kg

Technical information

Material
Stainless steel

Dimensions



Dimensions

Part No.	KK	AA	AV min.	CE	Ø CN H7	EN -0,1	ER	EU max.	LF	SW	Z [°] max.
8958209032	M10x1,25	19	15	43	10	14	14	10.5	14	17	6,5
8958209042	M12x1,25	22	18	50	12	16	16	12	16	19	6,5
8958209052	M16x1,5	27	24	64	16	21	21	15	21	22	7,5

Flexible spherical coupling, Series PM5

- to mount on cylinder PRA, TRB, CCL-IS/-IC, CCI, SSI, MNI, KPZ, KHZ, 167, CVI, RPC, RDC, ITS



Weight

See table below

Technical data

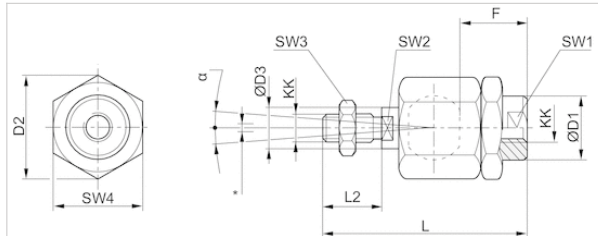
Part No.	Suitable piston rod thread	for
R412026140	M6x1	CCL-IC CCI MNI
R412026141	M8x1,25	CCL-IC CCI MNI
R412026142	M10x1,25	PRA TRB CCL-IS CCL-IC CCI SSI KPZ 167 CVI RPC
R412026143	M12x1,25	PRA TRB CCI CCL-IS CCL-IC SSI KPZ 167 CVI RPC
R412026144	M16x1,5	PRA TRB CCI CCL-IS CCL-IC KPZ 167 CVI RPC RDC

Part No.	Weight
R412026140	0,02 kg
R412026141	0,05 kg
R412026142	0,21 kg
R412026143	0,21 kg
R412026144	0,65 kg

Technical information

Material
Steel
galvanized

Dimensions



* Radial joint

Dimensions

Part No.	KK	Ø D1	D2	Ø D3	F	L ±2	L2	SW1	SW2	SW3	SW4	α [°]	1)	2)
R412026140	M6x1	8.5	14.5	6	11	36.5	11	7	5	10	13	6	0.05-0.5	0-1,5
R412026141	M8x1,25	12.5	19	8	21	58	21	11	7	13	17	8	0.05-0.5	0-1,5
R412026142	M10x1,25	22	32	14	23	74.5	23	19	12	17	30	8	0.05-0.5	0-2
R412026143	M12x1,25	22	32	14	24	75	24	19	12	19	30	7	0.05-0.5	0-2
R412026144	M16x1,5	32	45	22	30	103	30	30	20	24	41	6	0.05-0.5	0-2

1) Axial play

2) Radial play

Flexible plate coupling, Series PM7

- to mount on cylinder PRA, TRB, CCL-IS/-IC, CCI, SSI, KPZ, 167, CVI, RPC, ITS



Weight

See table below

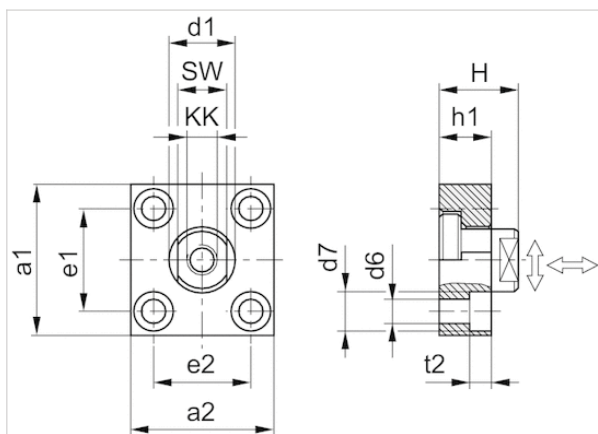
Technical data

Part No.	Suitable piston rod thread	for	Weight
1827001629	M10x1,25	PRA TRB CCL-IS CCL-IC CCI SSI KPZ RPC 167	0,3 kg
1827001630	M12x1,25	PRA TRB CCL-IS CCL-IC CCI SSI KPZ RPC 167	0,4 kg
1827001631	M16x1,5	PRA TRB CCL-IS CCL-IC CCI SSI KPZ RPC 167	0,9 kg

Technical information

Material
Steel
galvanized

Dimensions



Dimensions

Part No.	a1	a2	d1 h11	d6 H13	d7 H13	e1 H13	e2	h1	t2	H	SW
1827001629	60	37	20	6.6	11	36 ±0,15	23 ±0,15	15	7	24	17
1827001630	60	56	25	9	15	42 ±0,2	38 ±0,2	20	9	30	19
1827001631	80	80	30	11	18	58 ±0,2	58 ±0,2	20	11	32	24

Tightening torque for the coupling pin Ma ± 5%	Axial play min./max.	Radial play min./max.
17 Nm	0,4 0,8 mm	1,9 2,3 mm
29 Nm	0,4 0,8 mm	1,9 2,3 mm
71 Nm	0,4 0,8 mm	1,9 2,3 mm

Male threaded rods



Weight

See table below

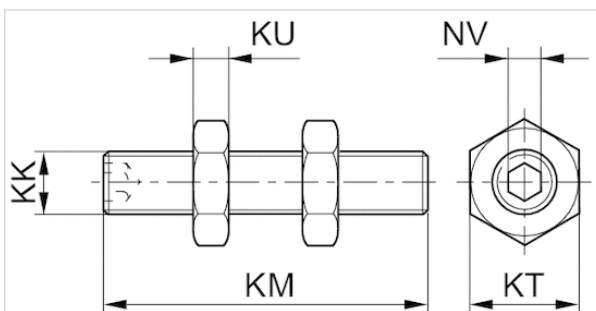
Technical data

Part No.	Suitable piston rod thread	Weight
2701432000	M6	0,02 kg
2701450000	M8	0,03 kg
2701463000	M10	0,05 kg

Technical information

Material
Stainless steel

Dimensions

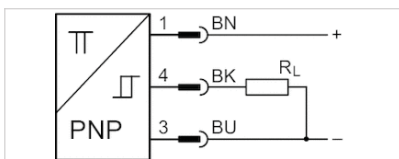


Dimensions

Part No.	KK	KM	KT	KU	NV
2701432000	M6	30	10	3.2	3
2701450000	M8	35	13	4	4
2701463000	M10	40	16	5	5

Sensor, Series ST6

- 6 mm T-slot
- with cable
- open cable ends, 3-pin
- ATEX
- UL certification, ATEX
- electronic PNP
- Direct mounting for series PRA PRE CCI KPZ SSI GPC CVI
- Indirect mounting for series TRB, ITS, CCL-IS, MNI, CSL-RD, ICM, KHZ, TRR



Certificates

ATEX class G
ATEX class D
Ambient temperature min./max.
Protection class
Switching point precision
Quiescent current (without load)
Min./max. DC operating voltage
Switching logic
LED status display
Vibration resistance
Shock resistance

ATEX CE declaration of conformity cULus
RoHS
II 3G Ex nA IIC T4 Gc X
II 3D Ex tc IIIC T135°C Dc X
-20 ... 50 °C
IP67
±0,1 mT
10 mA
10 ... 30 V DC
NO (make contact)
Yellow
10 - 55 Hz, 1 mm
30 g / 11 ms

Technical data

Part No.	for	Type of contact	Cable length L
R412022854	PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	3 m
R412022856	PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	5 m

Part No.	Voltage drop U at I _{max}	DC switching current, max.
R412022854	≤ 2,5 V	0,1 A
R412022856	≤ 2,5 V	0,1 A

Part No.	Max. switching frequency
R412022854	1000 Hz
R412022856	1000 Hz

Part No.	Version
R412022854	short circuit resistant Protected against polarity reversal

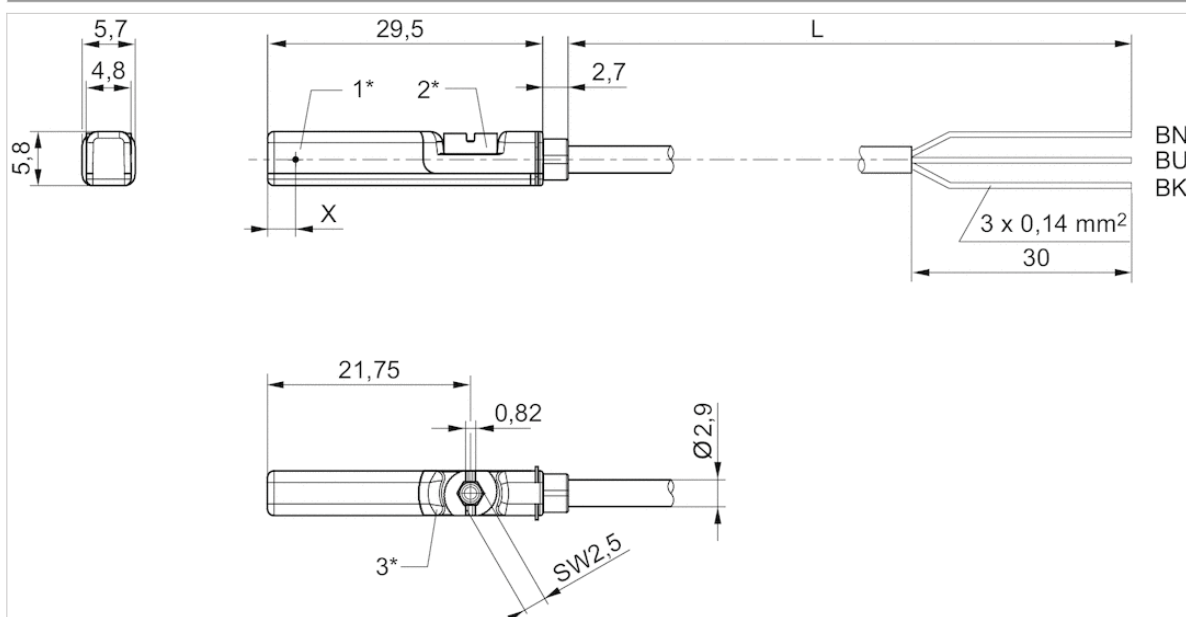
Part No.	Version
R412022856	short circuit resistant Protected against polarity reversal

Technical information

Material	
Housing	Polyamide
Cable sheath	Polyurethane
Locking screw	Stainless steel

Dimensions

Fig. 2



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

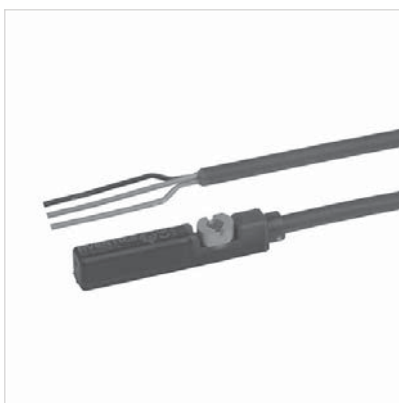
L = cable length

BN = brown, BK = black, BU = blue

X = electronic: 11.6 mm

Sensor, Series ST6

- 6 mm T-slot
- with cable
- open cable ends, 2-pin open cable ends, 3-pin
- UL certification
- Reed electronic PNP electronic NPN
- Direct mounting for series PRA PRE CCI KPZ SSI GPC CVI
- Indirect mounting for series TRB, ITS, CCL-IS, MNI, CSL-RD, ICM, KHZ, TRR



Ambient temperature min./max.	-30 ... 80 °C
Protection class	IP65, IP67, IP69K
Switching point precision	±0,1 mT
Nominal current, actuated state	30 mA
Quiescent current (without load)	8 mA
Min./max. DC operating voltage	See table below
Min./max. AC operating voltage	See table below
Hysteresis	≥ 0,2 mT
Switching logic	NO (make contact)
LED status display	Yellow
Vibration resistance	10 - 55 Hz, 1 mm
Shock resistance	30 g / 11 ms

Technical data

Part No.		for	Type of contact	Cable length L
R412022866		PRA PRE CCI KPZ SSI GPC CVI	Reed	3 m
R412027170		PRA PRE CCI KPZ SSI GPC CVI	Reed	5 m
R412022869		PRA PRE CCI KPZ SSI GPC CVI	Reed	3 m
R412022870		PRA PRE CCI KPZ SSI GPC CVI	Reed	5 m
R412022871		PRA PRE CCI KPZ SSI GPC CVI	Reed	10 m
R412022853		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	3 m
R412022855		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	5 m
R412022857		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	10 m
R412022849		PRA PRE CCI KPZ SSI GPC CVI	electronic NPN	3 m
R412022850		PRA PRE CCI KPZ SSI GPC CVI	electronic NPN	5 m

Part No.	Min./max. DC operating voltage	Min./max. AC operating voltage
R412022866	10 ... 230 V DC	10 ... 230 V AC
R412027170	10 ... 230 V DC	10 ... 230 V AC
R412022869	10 ... 30 V DC	10 ... 30 V AC
R412022870	10 ... 30 V DC	10 ... 30 V AC
R412022871	10 ... 30 V DC	10 ... 30 V AC
R412022853	10 ... 30 V DC	-
R412022855	10 ... 30 V DC	-
R412022857	10 ... 30 V DC	-
R412022849	10 ... 30 V DC	-
R412022850	10 ... 30 V DC	-

Part No.	Voltage drop U at I _{max}	DC switching current, max.
R412022866	≤ 3,5 V	0,13 A
R412027170	≤ 3,5 V	0,13 A
R412022869	I*Rs	0,3 A
R412022870	≤ 0,1 V	0,3 A
R412022871	I*Rs	0,3 A
R412022853	≤ 2,5 V	0,13 A
R412022855	≤ 2,5 V	0,13 A
R412022857	≤ 2,5 V	0,13 A
R412022849	≤ 2,5 V	0,13 A
R412022850	≤ 2,5 V	0,13 A

Part No.	AC switching current, max.	Switching capacity
R412022866	0,13 A	Reed, 2-pin: max. 10 W
R412027170	0,13 A	Reed, 2-pin: max. 10 W
R412022869	0,5 A	Reed, 3-pin: max. 6 W
R412022870	0,5 A	Reed, 3-pin: max. 6 W
R412022871	0,5 A	Reed, 3-pin: max. 6 W
R412022853	-	-
R412022855	-	-
R412022857	-	-
R412022849	-	-
R412022850	-	-

Part No.	Max. switching frequency	Operating current, not switched
R412022866	400 Hz	-
R412027170	400 Hz	-
R412022869	400 Hz	-
R412022870	400 Hz	-
R412022871	400 Hz	-
R412022853	1000 Hz	8 mA
R412022855	1000 Hz	8 mA
R412022857	1000 Hz	8 mA
R412022849	1000 Hz	8 mA
R412022850	1000 Hz	8 mA

Part No.	Operating current, switched
R412022866	-
R412027170	-
R412022869	-
R412022870	-
R412022871	-
R412022853	30 mA
R412022855	30 mA
R412022857	30 mA

Part No.	Operating current, switched
R412022849	30 mA
R412022850	30 mA

Part No.	Version	Fig.	
R412022866	Protected against polarity reversal	Fig. 1	1)
R412027170	Protected against polarity reversal	Fig. 1	1)
R412022869	Protected against polarity reversal	Fig. 2	2)
R412022870	Protected against polarity reversal	Fig. 2	2)
R412022871	Protected against polarity reversal	Fig. 2	2)
R412022853	short circuit resistant Protected against polarity reversal	Fig. 2	3)
R412022855	short circuit resistant Protected against polarity reversal	Fig. 2	3)
R412022857	short circuit resistant Protected against polarity reversal	Fig. 2	3)
R412022849	short circuit resistant Protected against polarity reversal	Fig. 2	3)
R412022850	short circuit resistant Protected against polarity reversal	Fig. 2	3)

- 1) open cable ends, 2-pin, The product of operating voltage and continuous current must not exceed the maximum switching capacity.
2) open cable ends, 3-pin, The product of operating voltage and continuous current must not exceed the maximum switching capacity.
3) open cable ends, 3-pin

Technical information

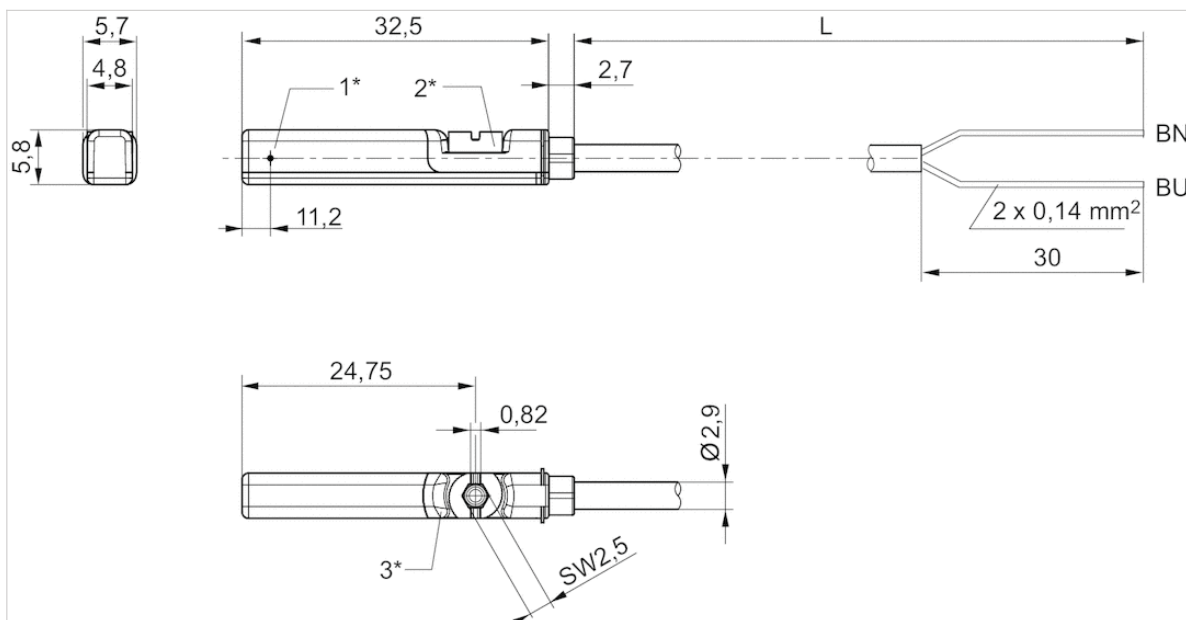
No cULus certification for 230 V variant.

Technical information

Material	
Housing	Polyamide
Cable sheath	Polyurethane
Locking screw	Stainless steel

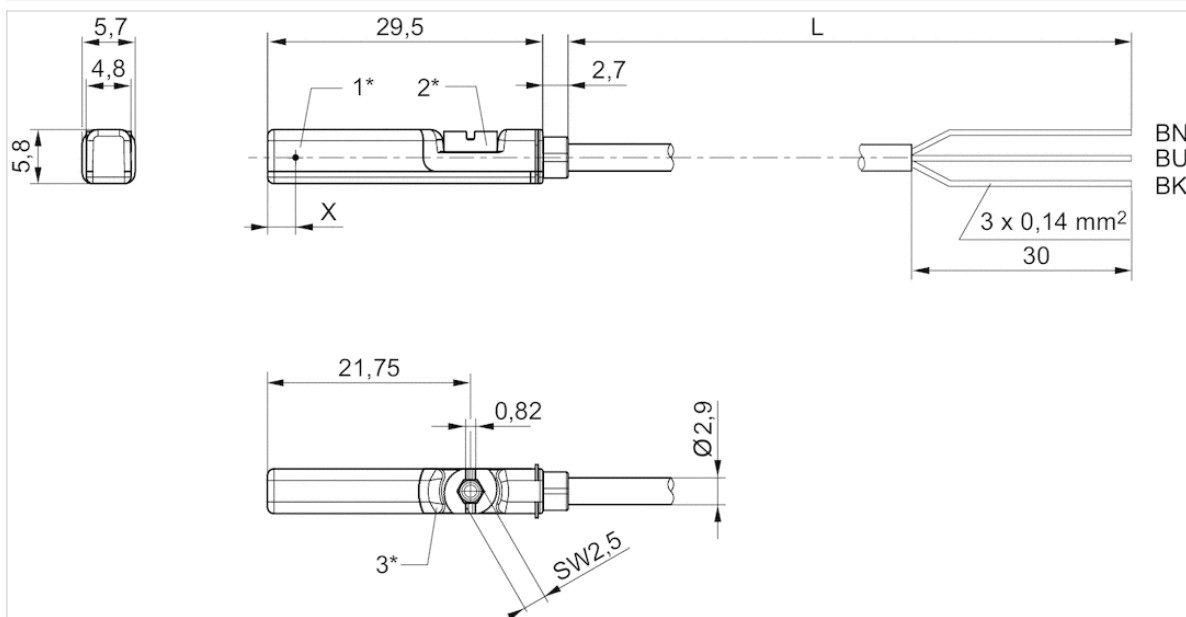
Dimensions

Fig. 1



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

Fig. 2



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

- 6 mm T-slot
- with cable
- Plug, M8, 3-pin Plug, M8, 2-pin
- UL certification
- Reed electronic PNP electronic NPN
- Direct mounting for series PRA PRE CCI KPZ SSI GPC CVI
- Indirect mounting for series TRB, ITS, CCL-IS, MNI, CSL-RD, ICM, KHZ, TRR



Certificates	CE declaration of conformity cULus RoHS
Ambient temperature min./max.	-30 ... 80 °C
Protection class	IP65, IP67
Switching point precision	±0,1 mT
Nominal current, actuated state	30 mA
Quiescent current (without load)	8 mA
Min./max. DC operating voltage	10 ... 30 V DC
Min./max. AC operating voltage	See table below
Hysteresis	≥ 0,2 mT
Switching logic	NO (make contact)
LED status display	Yellow
Vibration resistance	10 - 55 Hz, 1 mm
Shock resistance	30 g / 11 ms

Technical data

Part No.		for	Type of contact	Cable length L
R412022868		PRA PRE CCI KPZ SSI GPC CVI	Reed	0,3 m
R412027172		PRA PRE CCI KPZ SSI GPC CVI	Reed	0,3 m
R412022872		PRA PRE CCI KPZ SSI GPC CVI	Reed	0,3 m
R412022858		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	0,3 m
R412022851		PRA PRE CCI KPZ SSI GPC CVI	electronic NPN	0,3 m

Part No.	Min./max. AC operating voltage	Voltage drop U at I _{max}
R412022868	10 ... 30 V AC	≤ 3,5 V
R412027172	10 ... 30 V AC	≤ 3,5 V
R412022872	10 ... 30 V AC	≤ 0,1 V
R412022858	-	≤ 2,5 V
R412022851	-	≤ 2,5 V

Part No.	DC switching current, max.	AC switching current, max.
R412022868	0,13 A	0,13 A
R412027172	0,13 A	0,13 A
R412022872	0,3 A	0,5 A
R412022858	0,13 A	-
R412022851	0,13 A	-

Part No.	Switching capacity	Max. switching frequency
R412022868	Reed, 2-pin: max. 10 W	400 Hz
R412027172	Reed, 2-pin: max. 10 W	400 Hz
R412022872	Reed, 3-pin: max. 6 W	400 Hz
R412022858	-	1000 Hz
R412022851	-	1000 Hz

Part No.	Operating current, not switched	Operating current, switched
R412022868	-	-
R412027172	-	-
R412022872	-	-
R412022858	8 mA	30 mA
R412022851	8 mA	30 mA

Part No.	Version	
R412022868	Protected against polarity reversal	1)
R412027172	Protected against polarity reversal	1)
R412022872	Protected against polarity reversal	1)
R412022858	short circuit resistant Protected against polarity reversal	-
R412022851	short circuit resistant Protected against polarity reversal	-

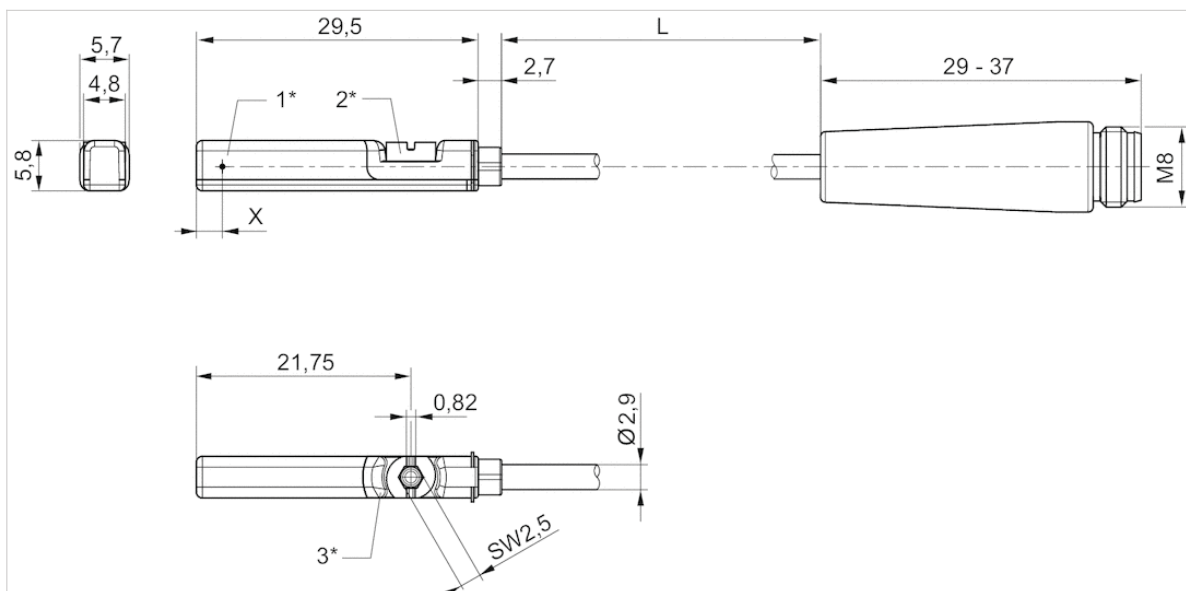
1) The product of operating voltage and continuous current must not exceed the maximum switching capacity.

Technical information

Material	
Housing	Polyamide
Cable sheath	Polyurethane
Locking screw	Stainless steel

Dimensions

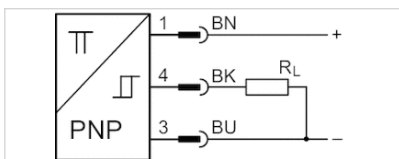
Dimensions



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

- 6 mm T-slot
- with cable
- Plug, M12, 3-pin, with knurled screw
- ATEX
- UL certification, ATEX
- electronic PNP
- Direct mounting for series PRA PRE CCI KPZ SSI GPC CVI
- Indirect mounting for series TRB, ITS, CCL-IS, MNI, CSL-RD, ICM, KHZ, TRR



Certificates

ATEX class G
ATEX class D
Ambient temperature min./max.
Protection class
Switching point precision
Quiescent current (without load)
Min./max. DC operating voltage
Switching logic
LED status display
Vibration resistance
Shock resistance

ATEX CE declaration of conformity cULus
RoHS
II 3G Ex nA IIC T4 Gc X
II 3D Ex tc IIIC T135°C Dc X
-20 ... 50 °C
IP67
±0,1 mT
10 mA
10 ... 30 V DC
NO (make contact)
Yellow Yellow
10 - 55 Hz, 1 mm
30 g / 11 ms

Technical data

Part No.	for	Type of contact	Cable length L
R412022864	PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	0,3 m

Part No.	Voltage drop U at I _{max}	DC switching current, max.
R412022864	≤ 2,5 V	0,1 A

Part No.	Max. switching frequency
R412022864	1000 Hz

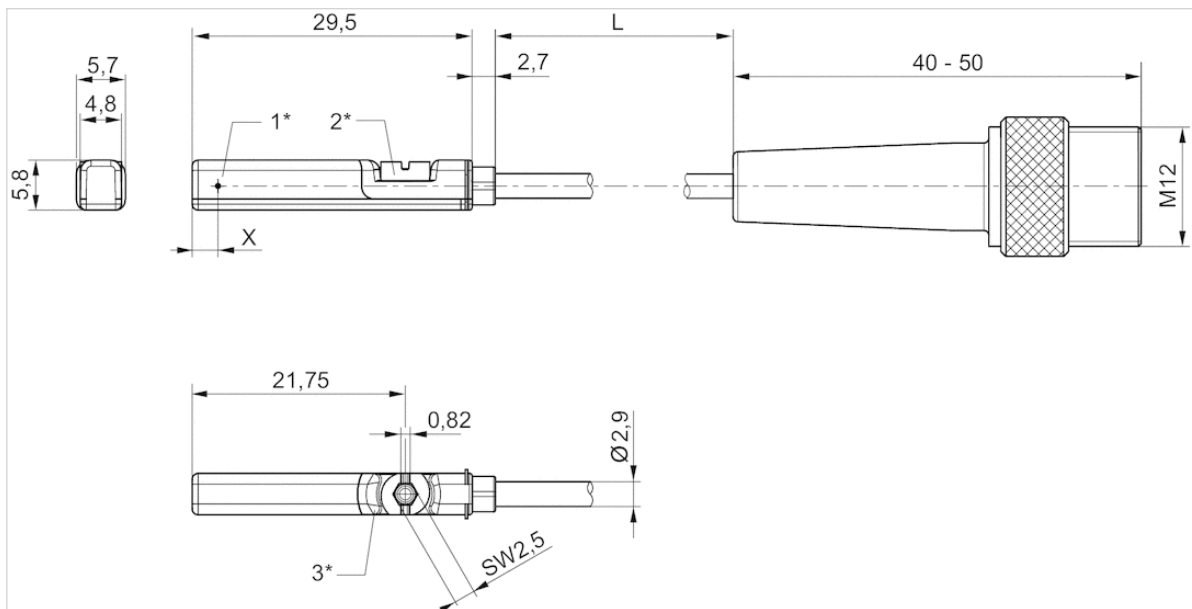
Part No.	Version
R412022864	short circuit resistant Protected against polarity reversal

Technical information

Material	
Housing	Polyamide
Cable sheath	Polyurethane
Locking screw	Stainless steel

Dimensions

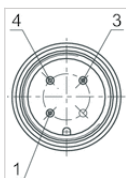
Dimensions



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

Pin assignments

Pin assignments



Pin	1	3	4
Allocation	(+)	(-)	(OUT)

Sensor, Series ST6

- 6 mm T-slot
- with cable
- Plug, M12, 2-pin, with knurled screw Plug, M12, 4-pin, with knurled screw
- UL certification
- Reed electronic PNP
- Direct mounting for series PRA PRE CCI KPZ SSI GPC CVI
- Indirect mounting for series TRB, ITS, CCL-IS, MNI, CSL-RD, ICM, KHZ, TRR



Certificates

Ambient temperature min./max.
Protection class
Switching point precision
Nominal current, actuated state
Quiescent current (without load)
Min./max. DC operating voltage
Min./max. AC operating voltage
Hysteresis
Switching logic
LED status display
Vibration resistance
Shock resistance

CE declaration of conformity cULus RoHS

-30 ... 80 °C
See table below
±0,1 mT
30 mA
8 mA
10 ... 30 V DC
See table below
≥ 0,2 mT
NO (make contact)
Yellow
10 - 55 Hz, 1 mm
30 g / 11 ms

Technical data

Part No.		for	Type of contact	Cable length L
R412027171		PRA PRE CCI KPZ SSI GPC CVI	Reed	0,3 m
R412022876		PRA PRE CCI KPZ SSI GPC CVI	Reed	0,3 m
R412022879		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	0,1 m
R412022863		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	0,3 m
R412022877		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	3 m
R412022878		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	5 m

Part No.	Min./max. AC operating voltage	Voltage drop U at I _{max}
R412027171	10 ... 30 V AC	≤ 3,5 V
R412022876	10 ... 30 V AC	≤ 0,1 V
R412022879	-	≤ 2,5 V
R412022863	-	≤ 2,5 V
R412022877	-	≤ 2,5 V
R412022878	-	≤ 2,5 V

Part No.	DC switching current, max.	AC switching current, max.
R412027171	0,13 A	0,13 A
R412022876	0,3 A	0,5 A
R412022879	0,13 A	-

Part No.	DC switching current, max.	AC switching current, max.
R412022863	0,13 A	-
R412022877	0,13 A	-
R412022878	0,13 A	-

Part No.	Switching capacity	Max. switching frequency
R412027171	Reed, 2-pin: max. 10 W	400 Hz
R412022876	Reed, 3-pin: max. 6 W	400 Hz
R412022879	-	1000 Hz
R412022863	-	1000 Hz
R412022877	-	1000 Hz
R412022878	-	1000 Hz

Part No.	Operating current, not switched	Operating current, switched	Protection class
R412027171	-	-	IP65, IP67
R412022876	-	-	IP65, IP67
R412022879	8 mA	30 mA	IP65, IP67
R412022863	8 mA	30 mA	IP65, IP67, IP69K
R412022877	8 mA	30 mA	IP65, IP67
R412022878	8 mA	30 mA	IP65, IP67

Part No.	Version	
R412027171	Protected against polarity reversal	1)
R412022876	Protected against polarity reversal	1)
R412022879	short circuit resistant Protected against polarity reversal	-
R412022863	short circuit resistant Protected against polarity reversal	-
R412022877	short circuit resistant Protected against polarity reversal	-
R412022878	short circuit resistant Protected against polarity reversal	-

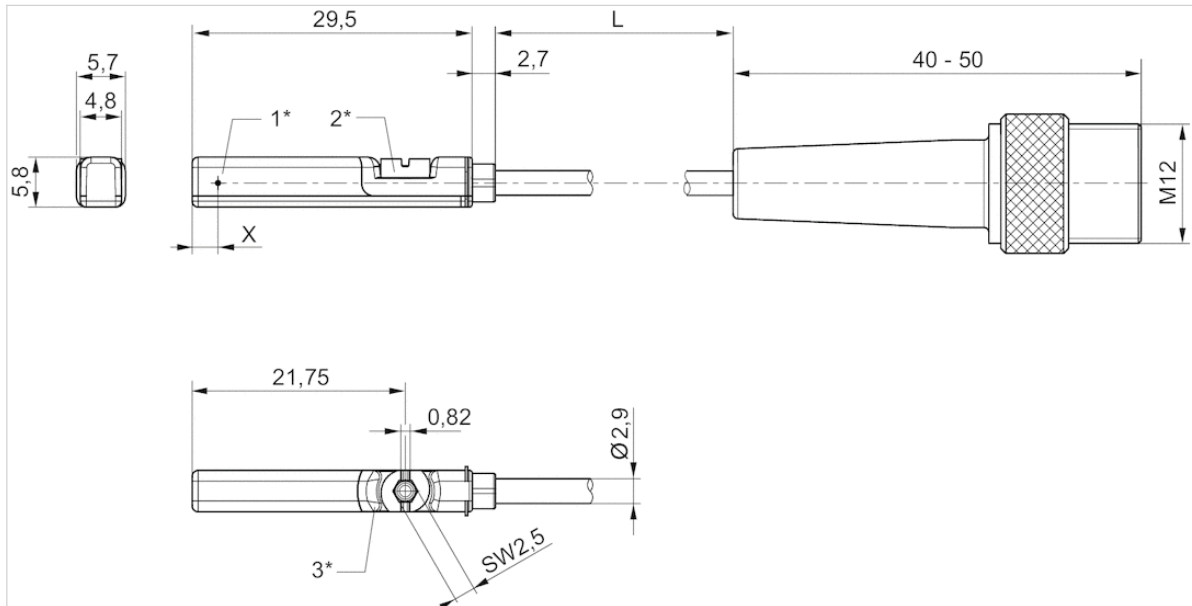
1) The product of operating voltage and continuous current must not exceed the maximum switching capacity.

Technical information

Material	
Housing	Polyamide
Cable sheath	Polyurethane
Locking screw	Stainless steel

Dimensions

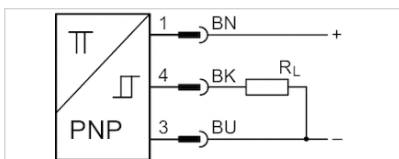
Dimensions



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

- 6 mm T-slot
- with cable
- Plug, M8, 3-pin, with knurled screw
- ATEX
- UL certification, ATEX
- electronic PNP
- Direct mounting for series PRA PRE CCI KPZ SSI GPC CVI
- Indirect mounting for series TRB, ITS, CCL-IS, MNI, CSL-RD, ICM, KHZ, TRR



Certificates

ATEX class G
ATEX class D
Ambient temperature min./max.
Protection class
Switching point precision
Quiescent current (without load)
Min./max. DC operating voltage
Switching logic
LED status display
Vibration resistance
Shock resistance

ATEX CE declaration of conformity cULus
RoHS
II 3G Ex nA IIC T4 Gc X
II 3D Ex tc IIIC T135°C Dc X
-20 ... 50 °C
IP65, IP67
±0,1 mT
10 mA
10 ... 30 V DC
NO (make contact)
Yellow Yellow
10 - 55 Hz, 1 mm
30 g / 11 ms

Technical data

Part No.	for	Type of contact	Cable length L
R412022860	PRA PRE CCI KPZ SSI GPC CVI	electronic PNP	0,3 m

Part No.	Voltage drop U at I _{max}	DC switching current, max.
R412022860	≤ 2,5 V	0,1 A

Part No.	Max. switching frequency
R412022860	1000 Hz

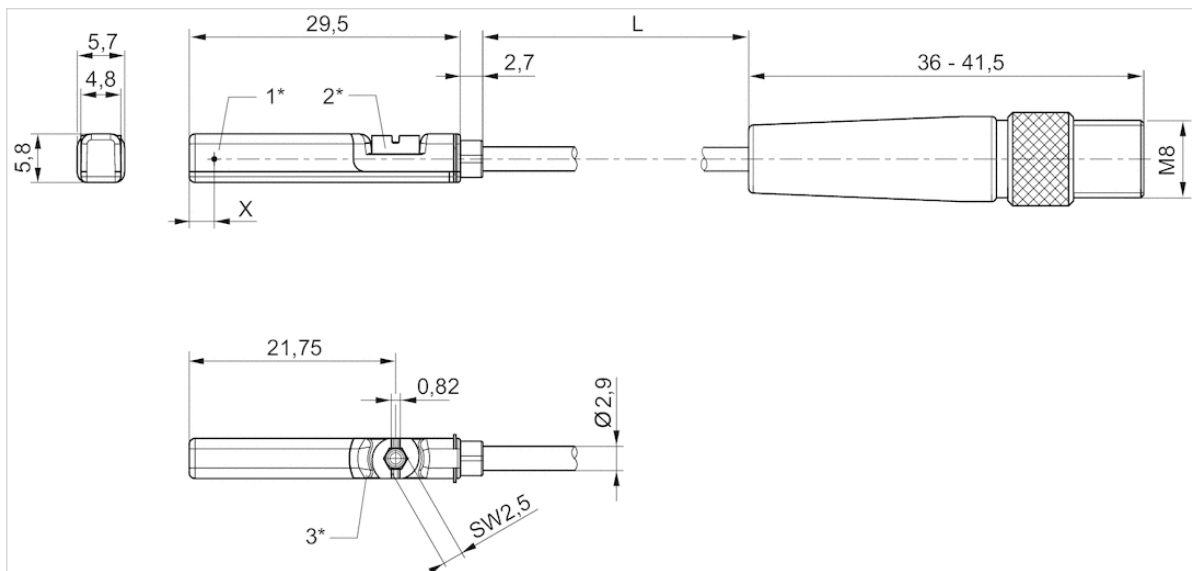
Part No.	Version
R412022860	short circuit resistant Protected against polarity reversal

Technical information

Material	
Housing	Polyamide
Cable sheath	Polyurethane
Locking screw	Stainless steel

Dimensions

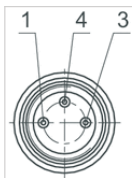
Dimensions



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

Pin assignments

Pin assignments



Pin	1	3	4
Allocation	(+)	(-)	(OUT)

Sensor, Series ST6

- 6 mm T-slot
- with cable
- Plug, M8, 3-pin, with knurled screw
- UL certification
- Reed electronic PNP electronic NPN
- Direct mounting for series PRA PRE CCI KPZ SSI GPC CVI
- Indirect mounting for series TRB, ITS, CCL-IS, MNI, CSL-RD, ICM, KHZ, TRR



Certificates	CE declaration of conformity cULus RoHS
Ambient temperature min./max.	-30 ... 80 °C
Protection class	IP65, IP67
Switching point precision	±0,1 mT
Nominal current, actuated state	30 mA
Quiescent current (without load)	8 mA
Min./max. DC operating voltage	10 ... 30 V DC
Min./max. AC operating voltage	See table below
Hysteresis	≥ 0,2 mT
Switching logic	NO (make contact)
Switching capacity	Reed, 3-pin: max. 6 W
LED status display	Yellow
Vibration resistance	10 - 55 Hz, 1 mm
Shock resistance	30 g / 11 ms

Technical data

Part No.		for	Type of contact
R412022873		PRA PRE CCI KPZ SSI GPC CVI	Reed
R412022875		PRA PRE CCI KPZ SSI GPC CVI	Reed
R412022874		PRA PRE CCI KPZ SSI GPC CVI	Reed
R412022859		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP
R412022862		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP
R412022861		PRA PRE CCI KPZ SSI GPC CVI	electronic PNP
R412022852		PRA PRE CCI KPZ SSI GPC CVI	electronic NPN

Part No.	Cable sheath	Cable length L	Min./max. AC operating voltage
R412022873	Polyurethane	0,3 m	10 ... 30 V AC
R412022875	Polyvinyl chloride	0,3 m	10 ... 30 V AC
R412022874	Polyurethane	0,5 m	10 ... 30 V AC
R412022859	Polyurethane	0,3 m	-
R412022862	Polyvinyl chloride	0,3 m	-
R412022861	Polyurethane	0,5 m	-
R412022852	Polyurethane	0,3 m	-

Part No.	Voltage drop U at Imax	DC switching current, max.
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Part No.	Voltage drop U at I _{max}	DC switching current, max.
R412022873	I*Rs	0,3 A
R412022875	I*Rs	0,3 A
R412022874	I*Rs	0,3 A
R412022859	≤ 2,5 V	0,13 A
R412022862	≤ 2,5 V	0,13 A
R412022861	≤ 2,5 V	0,13 A
R412022852	≤ 2,5 V	0,13 A

Part No.	AC switching current, max.	Max. switching frequency
R412022873	0,5 A	400 Hz
R412022875	0,5 A	400 Hz
R412022874	0,5 A	400 Hz
R412022859	-	1000 Hz
R412022862	-	1000 Hz
R412022861	-	1000 Hz
R412022852	-	1000 Hz

Part No.	Operating current, not switched	Operating current, switched
R412022873	-	-
R412022875	-	-
R412022874	-	-
R412022859	8 mA	30 mA
R412022862	8 mA	30 mA
R412022861	8 mA	30 mA
R412022852	8 mA	30 mA

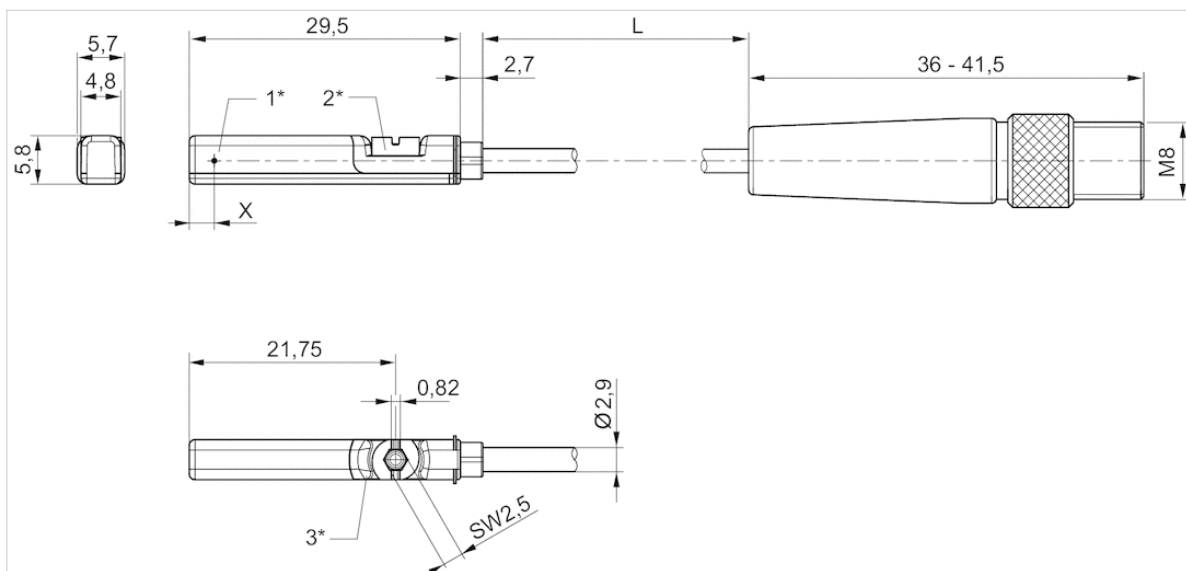
Part No.	Version
R412022873	Protected against polarity reversal
R412022875	Protected against polarity reversal
R412022874	Protected against polarity reversal
R412022859	short circuit resistant Protected against polarity reversal
R412022862	short circuit resistant Protected against polarity reversal
R412022861	short circuit resistant Protected against polarity reversal
R412022852	short circuit resistant Protected against polarity reversal

Technical information

Material	
Housing	Polyamide
Cable sheath	Polyurethane Polyvinyl chloride
Locking screw	Stainless steel

Dimensions

Dimensions



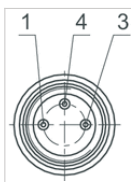
1* = switching point 2* = locking screw 3* = LED window, transparent

L = cable length

X = electronic: 11,6 mm, Reed: 8,3 mm

Pin assignments

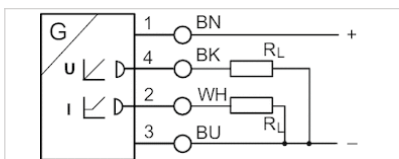
Pin assignments



Pin	1	3	4
Allocation	(+)	(-)	(OUT)

Sensors, Series SM6

- 6 mm groove
- with cable
- without wire end ferrule, tin-plated, 4-pin
- with distance measuring sensor, measurement range 32 ... 256 mm
- Analog
- Direct mounting for series PRA PRE CCI KPZ SSI GPC CVI
- Indirect mounting for series TRB, ITS, 167, MNI, ICM, TRR



Certificates	cULus
Ambient temperature min./max.	-20 ... 70 °C
Protection class	IP67
Output signal	0 - 10 V DC, 4 - 20 mA
Quiescent current (without load)	25 mA
Maximum load (analog current output)	500 Ω
Residual ripple	≤ 10 %
sampling interval	1 ms
Resolution max. measuring range	0,05 mm
Repetitive precision max. measuring range	0.1 mm
Linearity deviation	0,3 mm
Sampling speed	3 m/s
Display	LED
LED status display	Yellow
Vibration resistance	10 - 55 Hz, 1 mm
Shock resistance	30 g / 11 ms

Technical data

Part No.	for	Type of contact	Cable length L
R412010141	PRA PRE CCI KPZ SSI GPC CVI	Analog	2 m
R412010143	PRA PRE CCI KPZ SSI GPC CVI	Analog	2 m
R412010262	PRA PRE CCI KPZ SSI GPC CVI	Analog	2 m
R412010264	PRA PRE CCI KPZ SSI GPC CVI	Analog	2 m
R412010411	PRA PRE CCI KPZ SSI GPC CVI	Analog	2 m
R412010413	PRA PRE CCI KPZ SSI GPC CVI	Analog	2 m
R412010415	PRA PRE CCI KPZ SSI GPC CVI	Analog	2 m
R412010417	PRA PRE CCI KPZ SSI GPC CVI	Analog	2 m

Part No.	max. measuring range	Overall length Sensor A
R412010141	32 mm	45 mm
R412010143	64 mm	77 mm
R412010262	96 mm	109 mm
R412010264	128 mm	141 mm
R412010411	160 mm	173 mm
R412010413	192 mm	205 mm

Part No.	max. measuring range	Overall length Sensor A
R412010415	224 mm	237 mm
R412010417	256 mm	269 mm

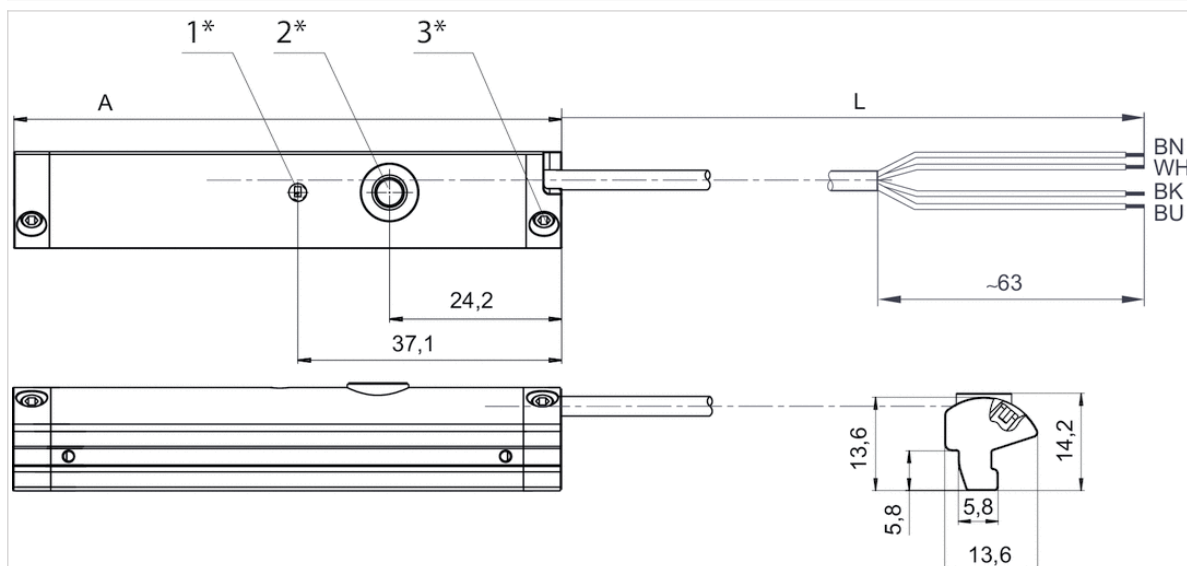
Part No.	Version
R412010141	short circuit resistant Protected against polarity reversal Overload protection
R412010143	short circuit resistant Protected against polarity reversal Overload protection
R412010262	short circuit resistant Protected against polarity reversal Overload protection
R412010264	short circuit resistant Protected against polarity reversal Overload protection
R412010411	short circuit resistant Protected against polarity reversal Overload protection
R412010413	short circuit resistant Protected against polarity reversal Overload protection
R412010415	short circuit resistant Protected against polarity reversal Overload protection
R412010417	short circuit resistant Protected against polarity reversal Overload protection

Technical information

Material	
Housing	Polyamide, fiber-glass reinforced
Cable sheath	Polyurethane

Dimensions

Dimensions



1* = LED 2* = teach button 3* = threaded pin M3x11

L = cable length

(1) BN=brown

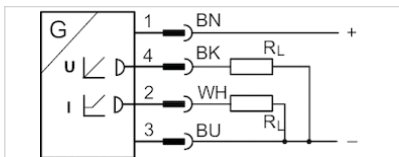
(2) WH=white

(3) BU=blue

(4) BK=black
A = sensor length

Sensors, Series SM6

- 6 mm groove
- with cable
- Plug, M8x1, 4-pin, with knurled screw
- with distance measuring sensor, measurement range 32 ... 256 mm
- Analog
- Direct mounting for series PRA PRE CCI KPZ SSI GPC CVI
- Indirect mounting for series TRB, ITS, 167, MNI, ICM, TRR



Certificates	cULus
Ambient temperature min./max.	-20 ... 70 °C
Protection class	IP67
Output signal	0 - 10 V DC, 4 - 20 mA
Quiescent current (without load)	25 mA
Min./max. DC operating voltage	15 ... 30 V DC
sampling interval	1 ms
Resolution max. measuring range	0,05 mm
Repetitive precision max. measuring range	0.1 mm
Linearity deviation	0,3 mm
Sampling speed	3 m/s
Display	LED
LED status display	Yellow
Vibration resistance	10 - 55 Hz, 1 mm
Shock resistance	30 g / 11 ms

Technical data

Part No.	for	Type of contact	Cable length L
R412010142	PRA PRE CCI KPZ SSI GPC CVI	Analog	0,3 m
R412010144	PRA PRE CCI KPZ SSI GPC CVI	Analog	0,3 m
R412010263	PRA PRE CCI KPZ SSI GPC CVI	Analog	0,3 m
R412010265	PRA PRE CCI KPZ SSI GPC CVI	Analog	0,3 m
R412010410	PRA PRE CCI KPZ SSI GPC CVI	Analog	0,3 m
R412010412	PRA PRE CCI KPZ SSI GPC CVI	Analog	0,3 m
R412010414	PRA PRE CCI KPZ SSI GPC CVI	Analog	0,3 m
R412010416	PRA PRE CCI KPZ SSI GPC CVI	Analog	0,3 m

Part No.	max. measuring range	Overall length Sensor A
R412010142	32 mm	45 mm
R412010144	64 mm	77 mm
R412010263	96 mm	109 mm
R412010265	128 mm	141 mm
R412010410	160 mm	173 mm
R412010412	192 mm	205 mm

Part No.	max. measuring range	Overall length Sensor A
R412010414	224 mm	237 mm
R412010416	256 mm	269 mm

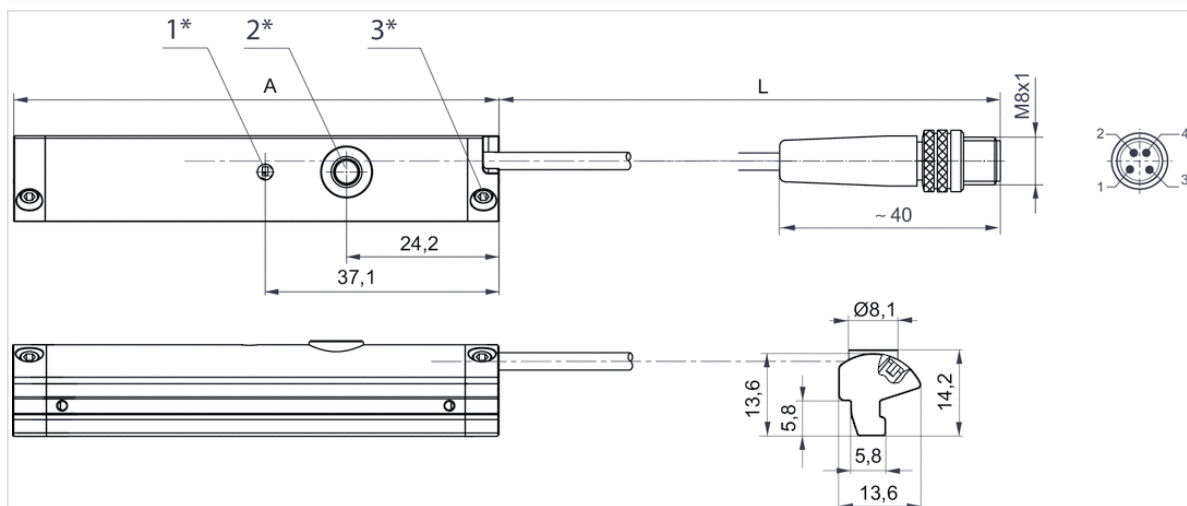
Part No.	Version
R412010142	short circuit resistant Protected against polarity reversal Overload protection
R412010144	short circuit resistant Protected against polarity reversal Overload protection
R412010263	short circuit resistant Protected against polarity reversal Overload protection
R412010265	short circuit resistant Protected against polarity reversal Overload protection
R412010410	short circuit resistant Protected against polarity reversal Overload protection
R412010412	short circuit resistant Protected against polarity reversal Overload protection
R412010414	short circuit resistant Protected against polarity reversal Overload protection
R412010416	short circuit resistant Protected against polarity reversal Overload protection

Technical information

Material	
Housing	Polyamide, fiber-glass reinforced
Cable sheath	Polyurethane

Dimensions

Dimensions



1* = LED 2* = teach button 3* = threaded pin M3x11

L = cable length

Pin assignment: 1 = (+), 2 = (OUT 1) 3 = (GND), 4 = (OUT 2), EN 60947-5-7

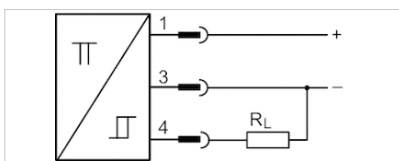
A = sensor length

Sensor, Series SN3

- welding-proof
- Plug, M12, 3-pin
- welding-proof
- electronic PNP
- Indirect mounting for series PRA, PRE, CCI, KPZ, KHZ, FLT, GPC, CVI



Ambient temperature min./max.	-25 ... 70 °C
Protection class	IP67, IP65
Switching point precision	±0,1 mT
Nominal current, actuated state	≤ 10 mA
Quiescent current (without load)	≤ 5 mA
Min./max. DC operating voltage	10 V DC
LED status display	Yellow
Vibration resistance	55 Hz, 1 mm
Shock resistance	30 g / 11 ms



Technical data

Part No.	Type of contact	Voltage drop U at I _{max}	DC switching current, max.
0830100438	electronic PNP	≤ 1,8 V	0,2 A

Part No.	Max. switching frequency
0830100438	20 Hz

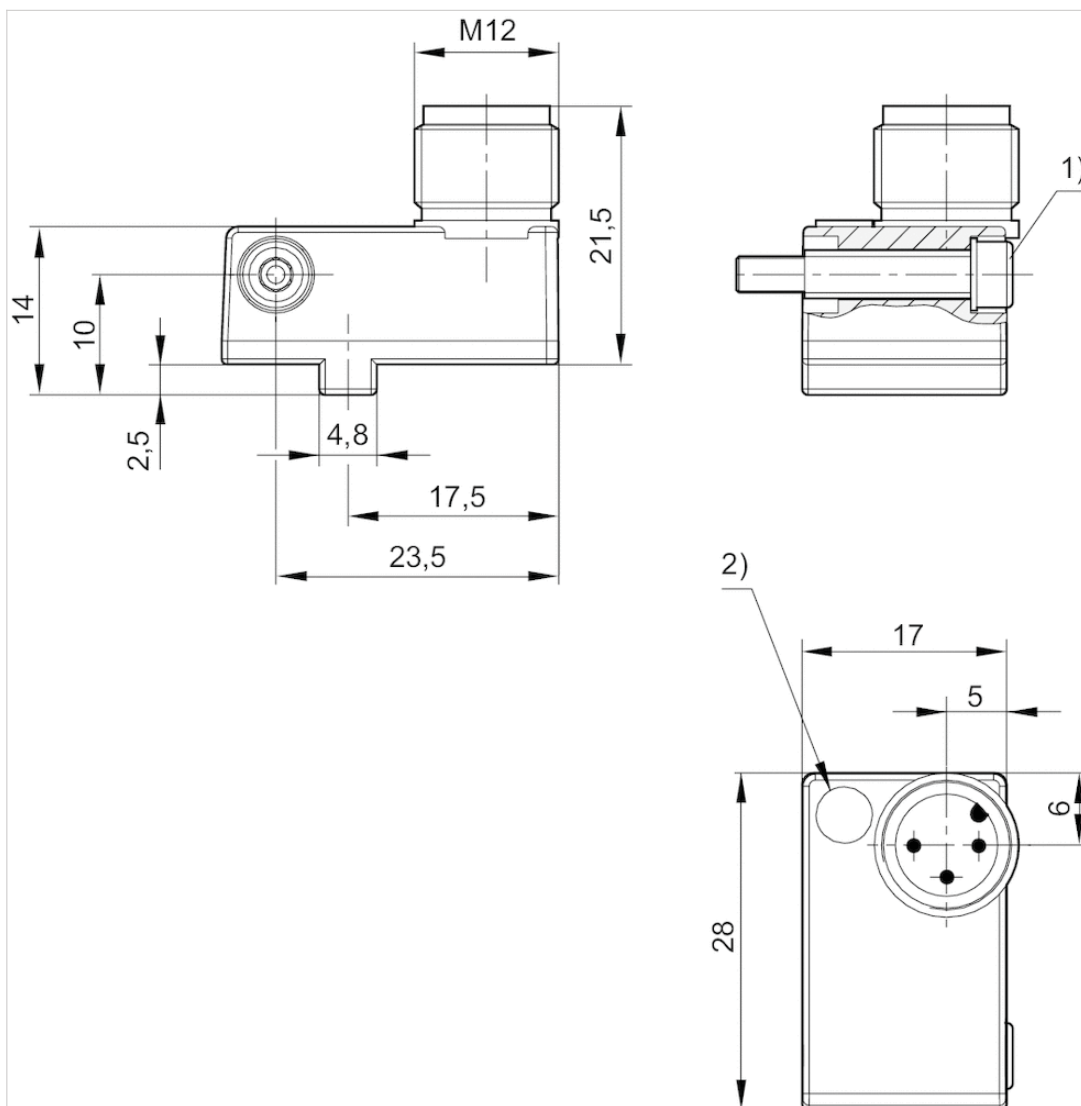
Part No.	Version	welding-proof
0830100438	short circuit resistant Protected against polarity reversal	welding-proof

Technical information

Material	
Housing	Polyamide

Dimensions

Dimensions



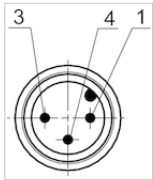
1) Clamping screw

2) LED

Pin assignments: 1 = (+), 3 = (-), 4 = (OUT), EN 60947-5-2:1998

Pin assignments

Pin assignments



Pin	1	3	4
Allocation	(+)	(-)	(OUT)
EN 60947-5-2:1998			

Sensor mounting, Series CB1

- for series SN3

- to mount on cylinder PRA, KPZ, GPC, CCI, KHZ



Weight

0,007 kg

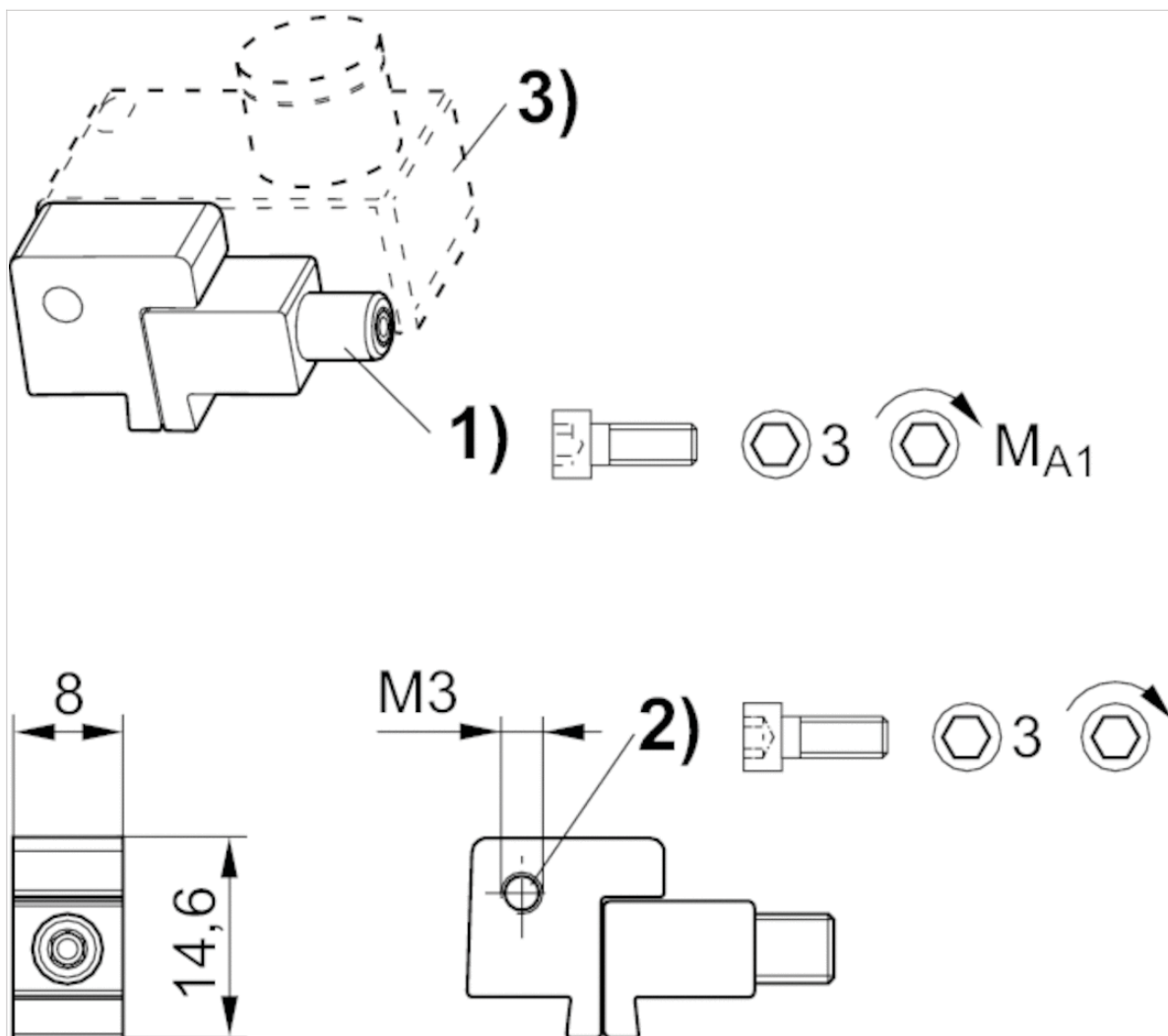
Technical data

Part No.	for series
1827020386	SN3

Technical information

Material
Aluminum

Dimensions



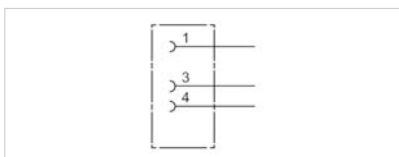
1) Clamping screw 2) Mounting screw for sensor 3) Sensor

Dimensions

Part No.	1)	MA1 [Nm]
1827020386	M3x25	1,8 +0,4

Round plug connector, Series CON-RD

- Socket, M8x1, 3-pin, A-coded, straight, 180°
- UL (Underwriters Laboratories)
- unshielded



Connection type	Soldering
Ambient temperature min./max.	-25 ... 80 °C
Operational voltage	48 V AC/DC
Protection class	IP67
Weight	0,009 kg

Technical data

Part No.	Max. current	suitable cable-Ø min./max
1834484173	4 A	3,5 mm

Technical information

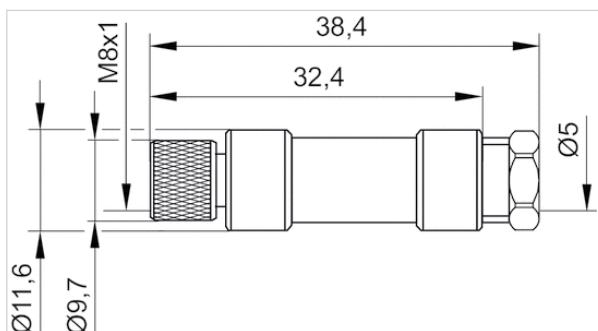
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Housing	Polyamide

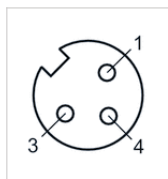
Dimensions

Dimensions



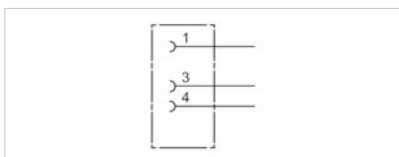
Pin assignments

Pin assignment socket



Round plug connector, Series CON-RD

- Socket, M8x1, 3-pin, A-coded, angled, 90°
- UL (Underwriters Laboratories)
- unshielded



Connection type	Soldering
Ambient temperature min./max.	-40 ... 85 °C
Operational voltage	48 V AC/DC
Protection class	IP67
Weight	0,01 kg

Technical data

Part No.	Max. current	Contact assignment	suitable cable-Ø min./max
1834484174	4 A	3	3,5 / 5 mm

Technical information

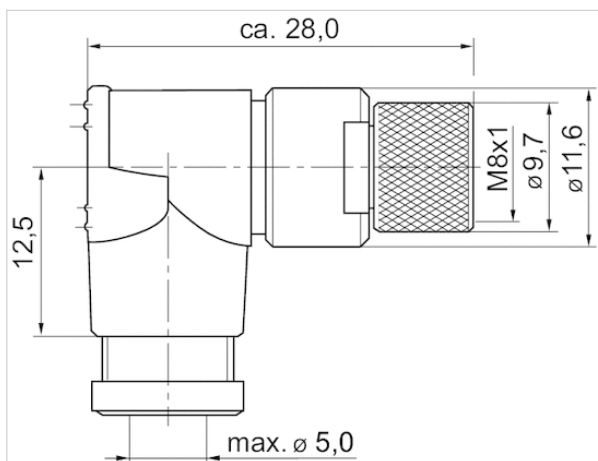
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Housing	Polyamide

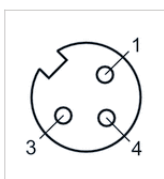
Dimensions

Dimensions



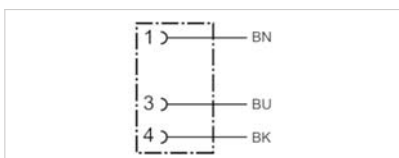
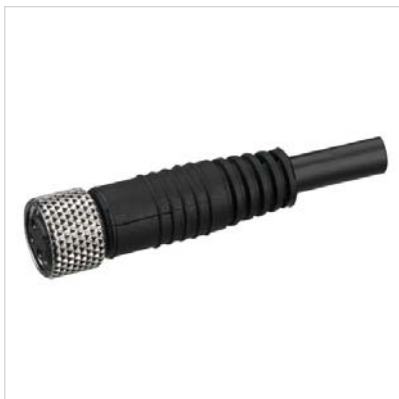
Pin assignments

Pin assignment socket



Round plug connector, Series CON-RD

- Socket M8x1 3-pin A-coded straight 180°
- open cable ends
- with cable
- UL (Underwriters Laboratories)
- unshielded



Ambient temperature min./max.	-25 ... 85 °C
Operational voltage	48 V AC/DC
Protection class	IP67
Wire cross-section	0,24 mm²
Weight	See table below

Technical data

Part No.	Max. current	Number of wires	Cable-Ø	Cable length	Certification	Weight
1834484166	4 A	3	4,5 mm	3 m	UL (Underwriters Laboratories)	0,087 kg
1834484168	4 A	3	4,5 mm	5 m	UL (Underwriters Laboratories)	0,141 kg
1834484247	4 A	3	4,5 mm	10 m	UL (Underwriters Laboratories)	0,277 kg

Technical information

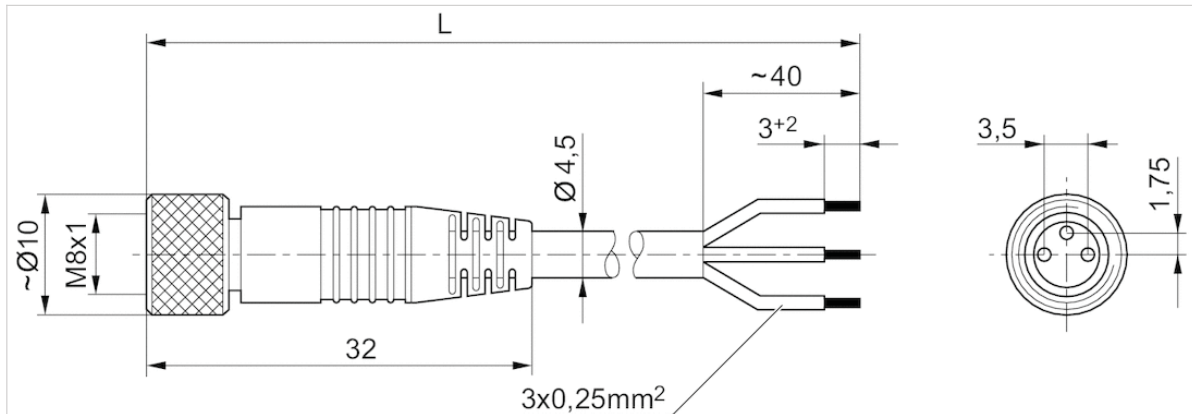
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Housing	Polyurethane
Cable sheath	Polyurethane

Dimensions

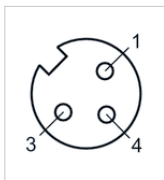
Dimensions



L = length

Pin assignments

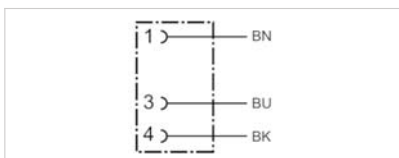
Pin assignment socket



- (1) BN=brown
(3) BU=blue
(4) BK=black

Round plug connector, Series CON-RD

- Socket M8x1 3-pin A-coded angled 90°
- open cable ends
- with cable
- unshielded



Ambient temperature min./max.	-40 ... 85 °C
Operational voltage	48 V AC/DC
Protection class	IP67
Wire cross-section	0,24 mm²
Weight	See table below

Technical data

Part No.	Max. current	Number of wires	Cable-Ø	Cable length	Weight
1834484167	4 A	3	4,5 mm	3 m	0,087 kg
1834484169	4 A	3	4,5 mm	5 m	0,139 kg
1834484248	4 A	3	4,5 mm	10 m	0,279 kg

Technical information

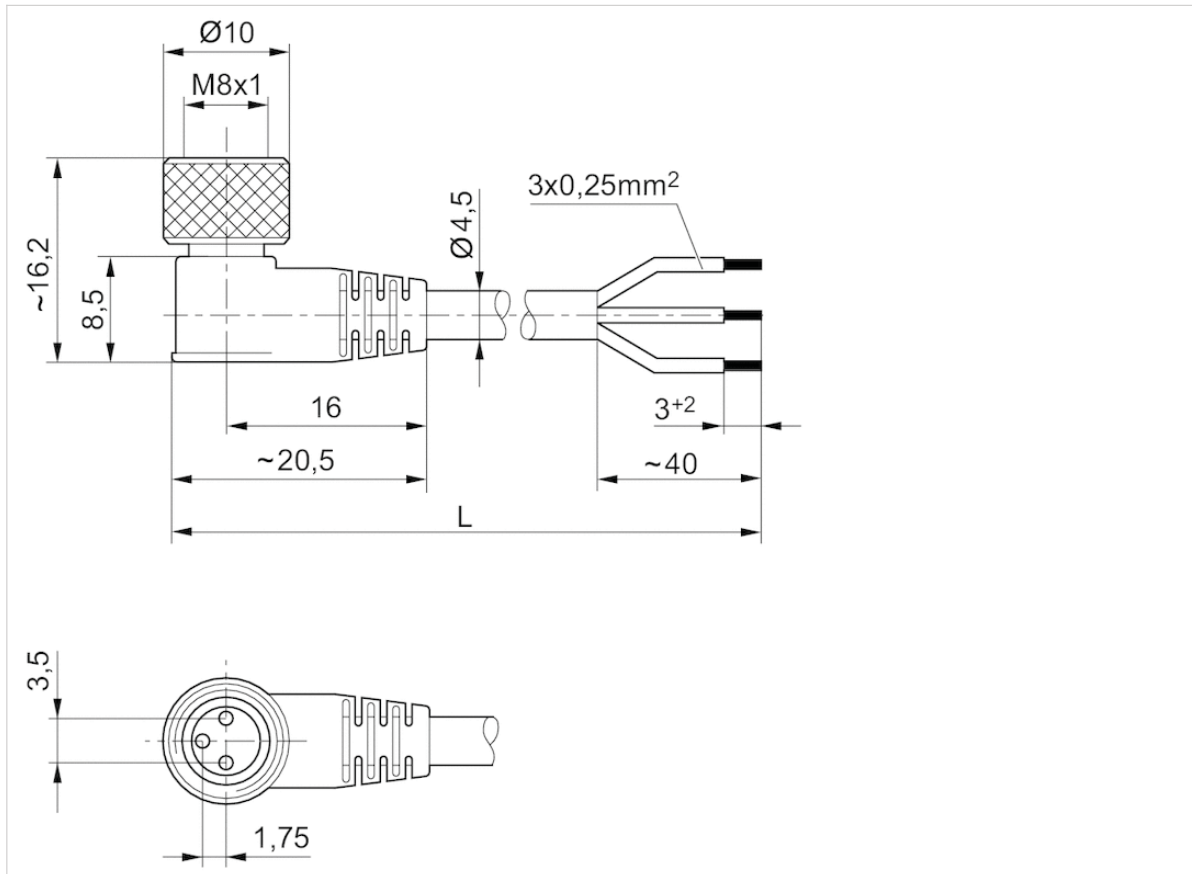
The specified protection class is only valid in assembled and tested state.

Technical information

Material	
Housing	Polyurethane
Cable sheath	Polyurethane

Dimensions

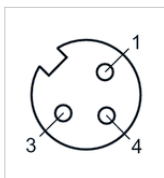
Dimensions



L = length

Pin assignments

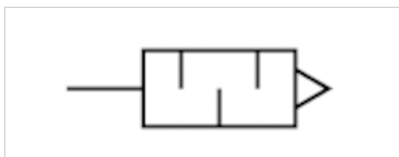
Pin assignment socket



- (1) BN=brown
- (3) BU=blue
- (4) BK=black

Silencers, series SI1

- Sintered bronze



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Sound pressure level	See table below
Weight	See table below
Comment	Flow characteristic curves can be found under "Diagrams".

Technical data

Part No.	Compressed air connection	Sound pressure level	Flow	Delivery unit	Weight
			Qn		
1827000006	M5	72 dB	398 l/min	10 piece	0,004 kg
1827000000	G 1/8	75 dB	1623 l/min	10 piece	0,01 kg

Weight per piece

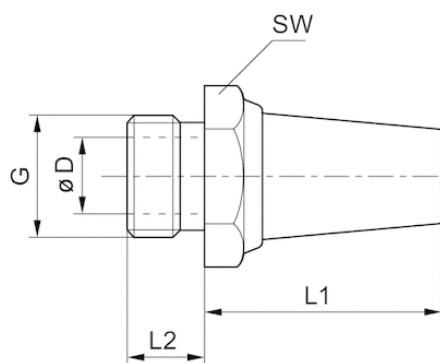
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

Dimensions

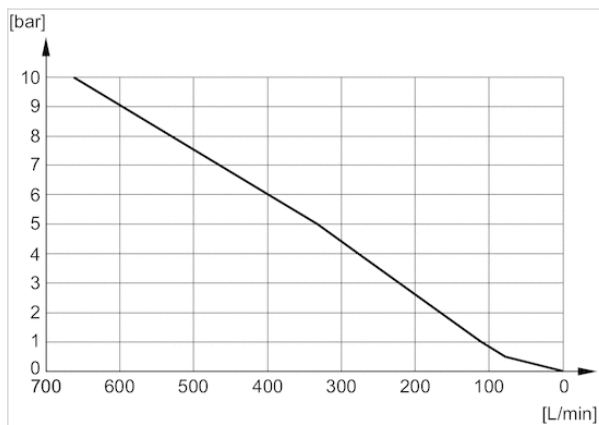


Dimensions

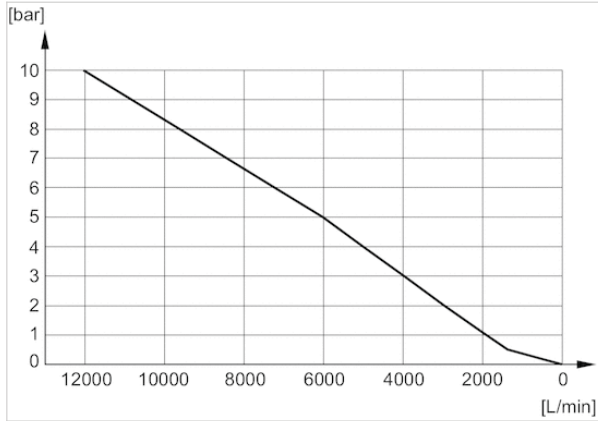
Part No.	Port G	SW	Ø D	L1	L2
1827000006	M5	7	2.5	15	5
1827000000	G 1/8	13	6	18	6

Diagrams

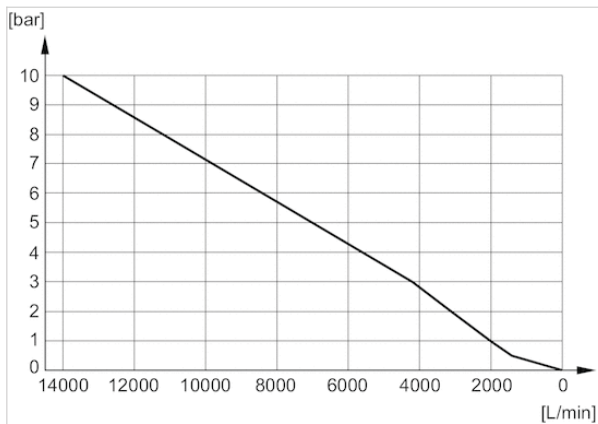
Flow diagram 1827000006



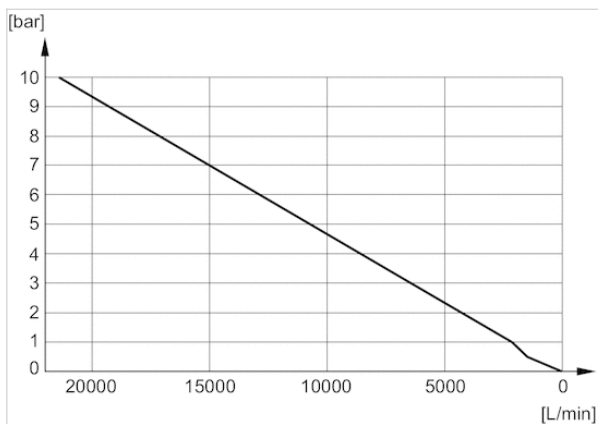
Flow diagram 1827000003



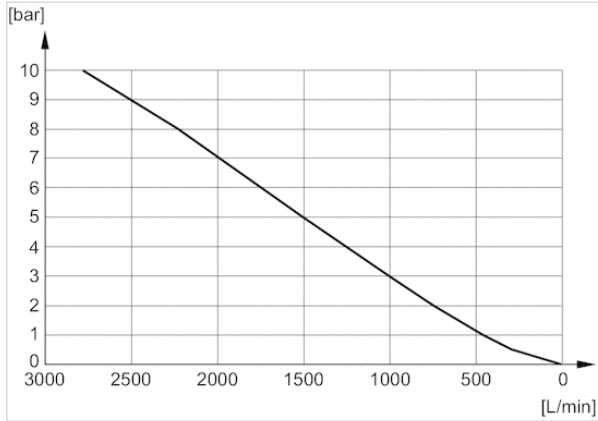
Flow diagram 1827000004



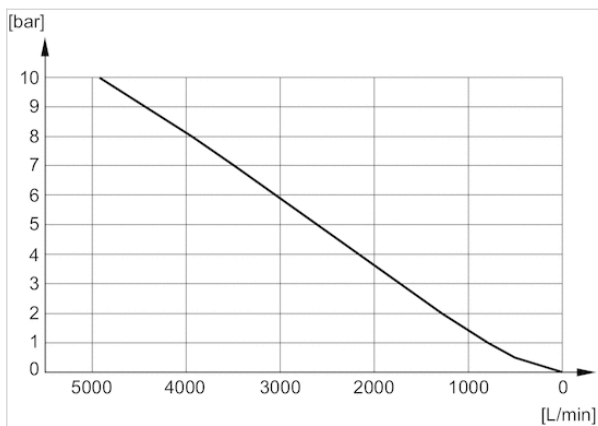
Flow diagram 1827000005



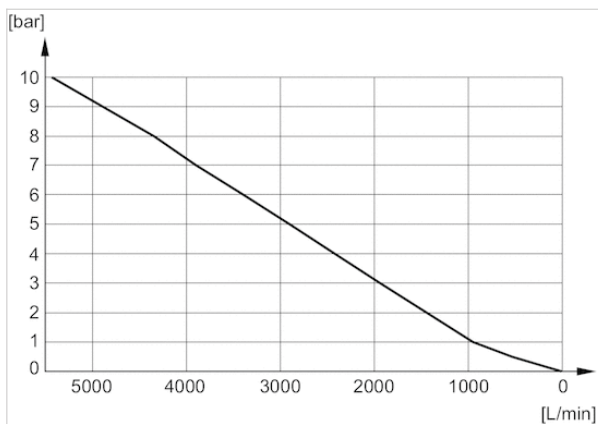
Flow diagram 5324001110



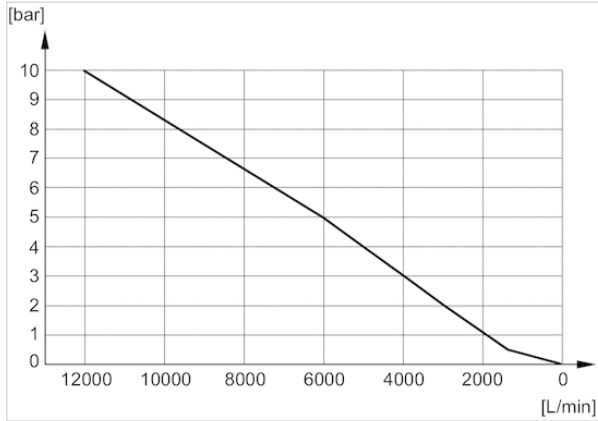
Flow diagram 5324001170



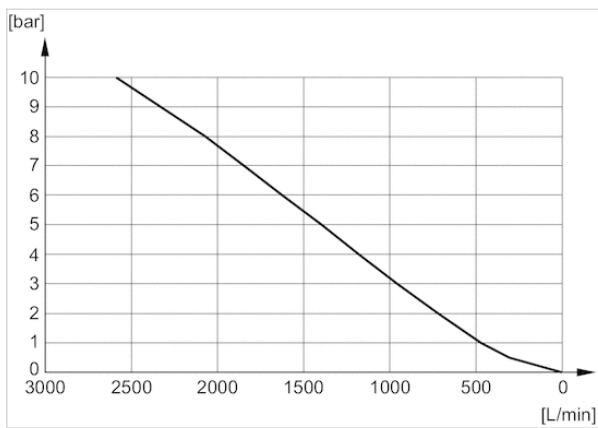
Flow diagram 5324001120



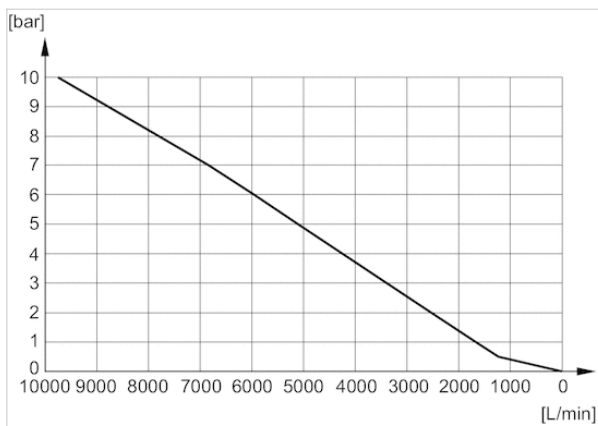
Flow diagram 5324001140



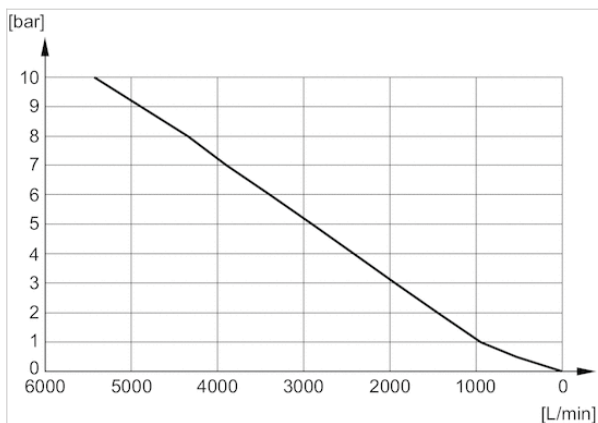
Flow diagram 1827000000



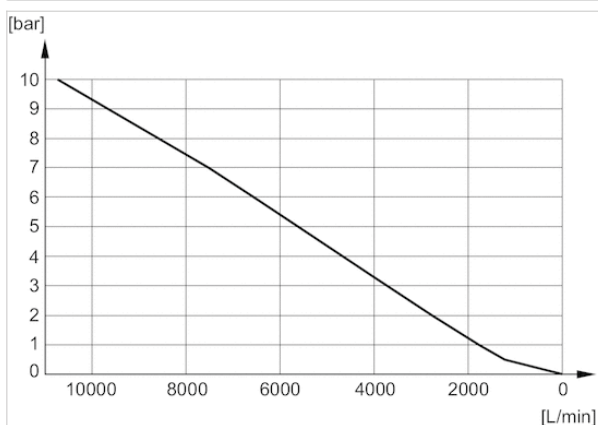
Flow diagram R412004817



Flow diagram 1827000001

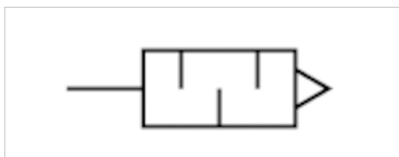


Flow diagram 1827000002



Silencers, series SI1

- Sintered bronze



Working pressure min./max.	0 ... 10 bar
Ambient temperature min./max.	-25 ... 80 °C
Medium	Compressed air
Sound pressure level	See table below
Weight	See table below
Comment	Flow characteristic curves can be found under "Diagrams".

Technical data

Part No.	Compressed air connection	Sound pressure level	Flow	Delivery unit	Weight
			Qn		
1827000032	M5	79 dB	252 l/min	10 piece	0,005 kg
1827000031	G 1/8	85 dB	700 l/min	10 piece	0,001 kg

Weight per piece

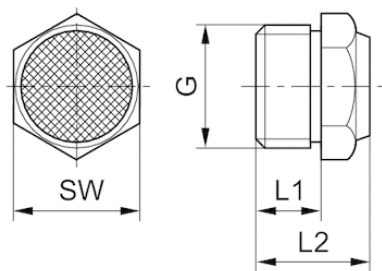
Nominal flow Qn at p1 = 6 bar (absolute) freely discharged. Sound pressure level measured at 6 bar against atmosphere at 1 m distance.

Technical information

Material	
Silencers	Sintered bronze
Thread	Brass

Dimensions

Dimensions



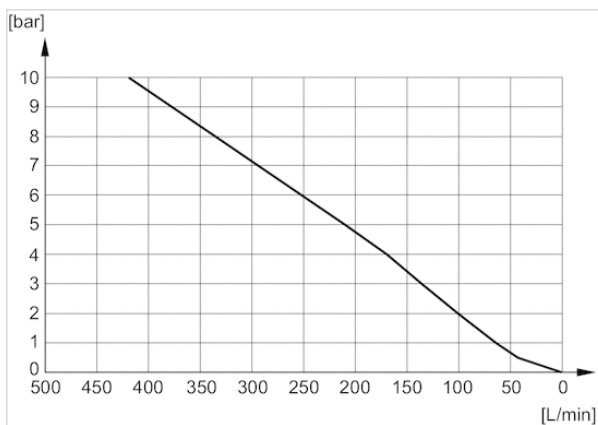
Dimensions

Part No.	Port G	L1	L2	SW
1827000032	M5	5	10.3	7
1827000031	G 1/8	6	11.5	13

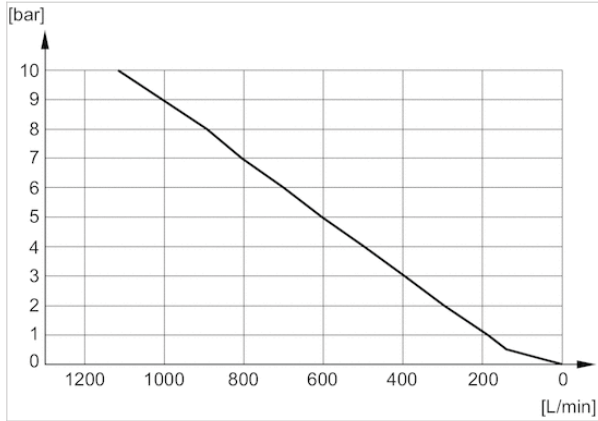
Sound pressure level measured at 6 bar at 1 m distance

Diagrams

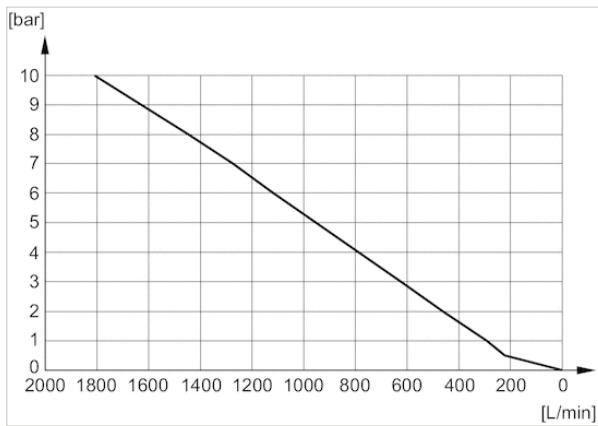
Flow diagram 1827000032



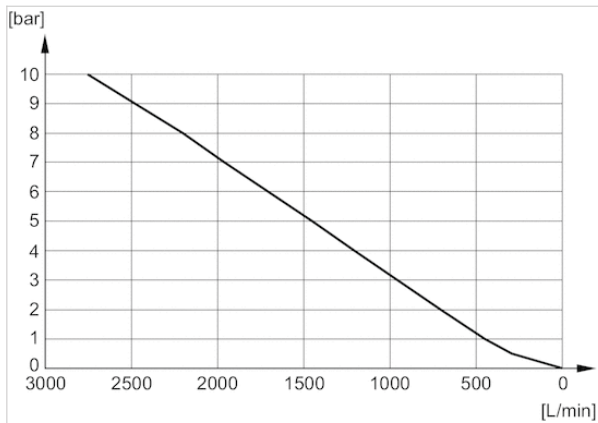
Flow diagram 1827000031



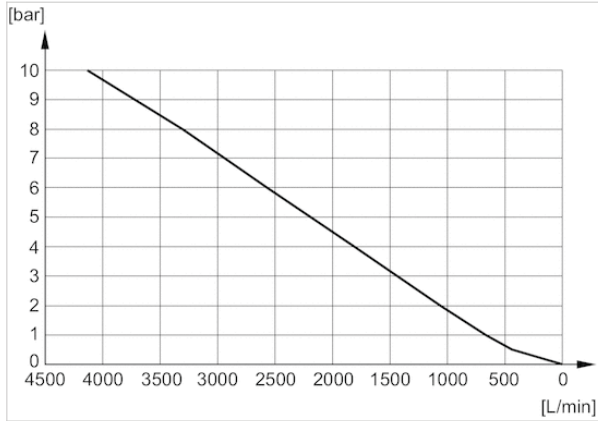
Flow diagram 1827000033



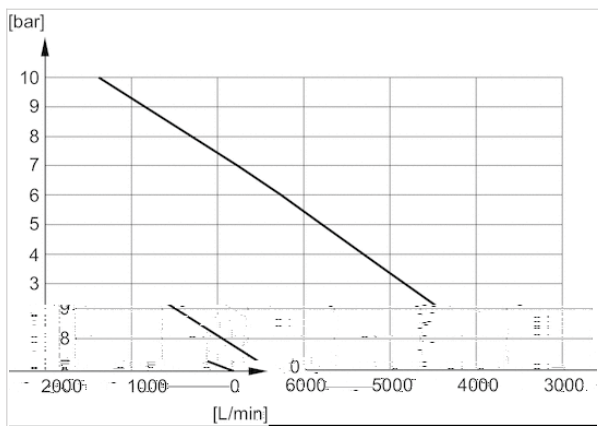
Flow diagram 1827000034



Flow diagram 1827000035



Flow diagram 8145003400



Flow diagram 8145001000

