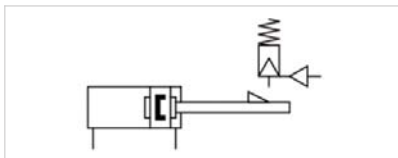


CCI series with integrated LU6 locking unit

- Ø 32-100 mm
- double-acting
- with magnetic piston
- Cushioning elastic
- With integrated locking unit
- Piston rod Internal thread



Compressed air connection	Internal thread
Working pressure min./max.	2 ... 10 bar
Ambient temperature min./max.	-20 ... 80 °C
Medium temperature min./max.	-10 ... 60 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6.3 bar

Technical data

Piston Ø	32 mm	40 mm	50 mm	63 mm	80 mm	100 mm
Retracting piston force	435 N	665 N	1039 N	1766 N	2857 N	4639 N
Extracting piston force	507 N	792 N	1237 N	1964 N	3167 N	4948 N
Weight 0 mm stroke	1,19 kg	1,57 kg	2,74 kg	4 kg	7,63 kg	12,72 kg
Weight +10 mm stroke	0,04 kg	0,06 kg	0,08 kg	0,09 kg	0,13 kg	0,17 kg
Stroke max.	300 mm	300 mm	300 mm	300 mm	500 mm	500 mm
Min. holding force at 0 bar	760 N	1200 N	1900 N	3000 N	5000 N	8000 N

Technical information

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).



The maximum ambient and medium temperature is + 70 °C for the dynamic braking function.

Note: Before pressurizing the locking unit, make sure that there is a balance of forces at the piston on the drive cylinder. Please see the operating instructions for further safety-relevant information. The locking unit can be used in controls with a max. performance level e in accordance with DIN EN ISO 13849-1 ("basic and well-tried safety principles"). For applications in category 2 to 4 controls, additional control measures according to DIN EN ISO 13849-1 are required.

The locking unit can be used as an individual component or pre-mounted on a cylinder..

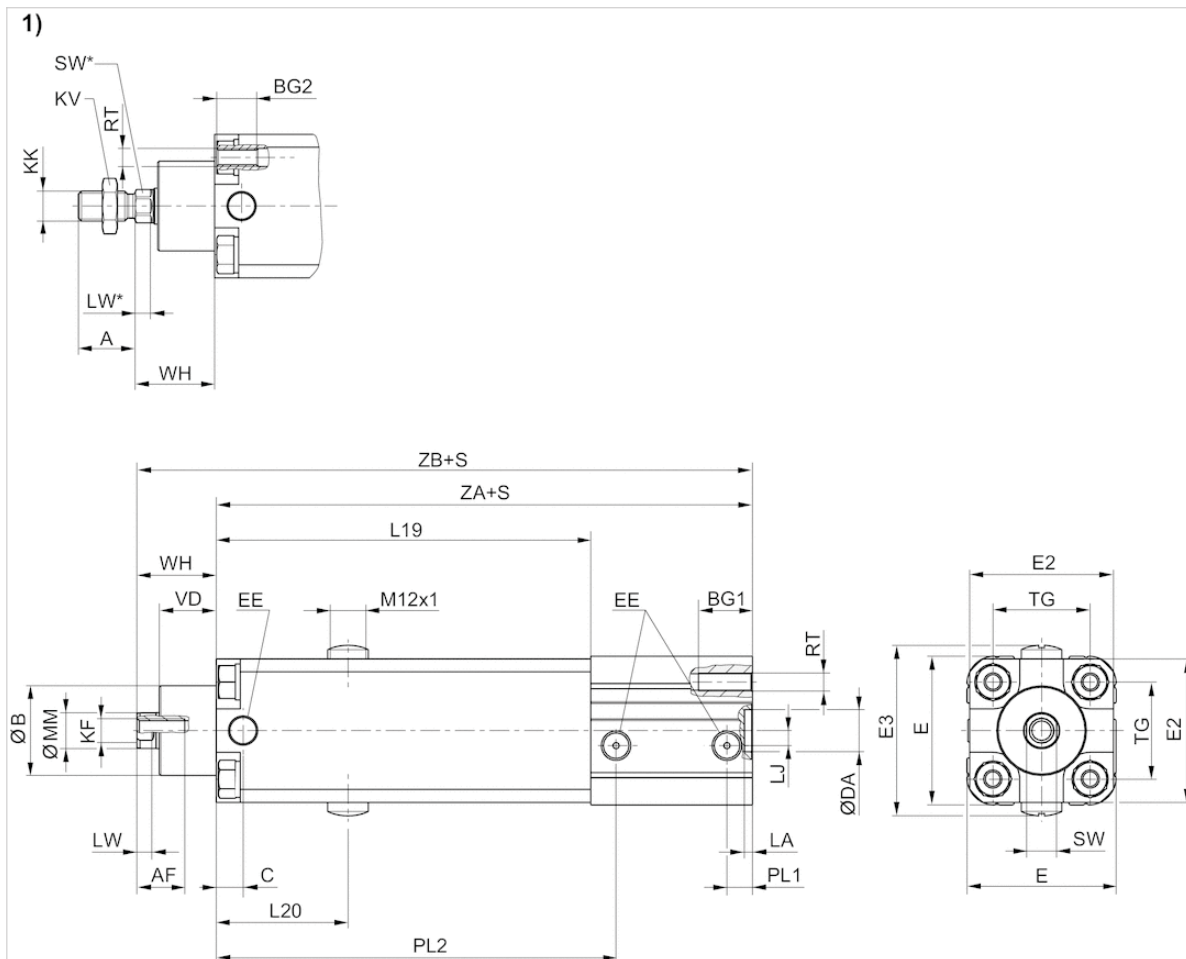
Scope of delivery: LU6, each with 4 flange nuts, washers, and tie rods

Use our Internet configurator to order variants with an external thread.

Technical information

Material	
Cylinder tube	Aluminum, anodized
Piston rod	Stainless steel
Front cover	Aluminum
End cover	Aluminum
Seal	Polyurethane
Scraper	Polyurethane

Dimensions



S = stroke

T = View for sensor groove

1) External thread

Use our Internet configurator to order variants with an external thread.

Dimensions

Ø	32	40	50	63	80	100
A	19	19	22	22	28	28
AF 1)	12	16	20	20	26	26
ØBd11	30	35	40	45	45	55
BG1 1)	18	18	22	22	27	24
BG2 1)	10	10	12	12	16,5	16,5
C	9	9	9	10	11	13
DAH11	14	14	18	18	23	28
E	50	58	68	80	96	116

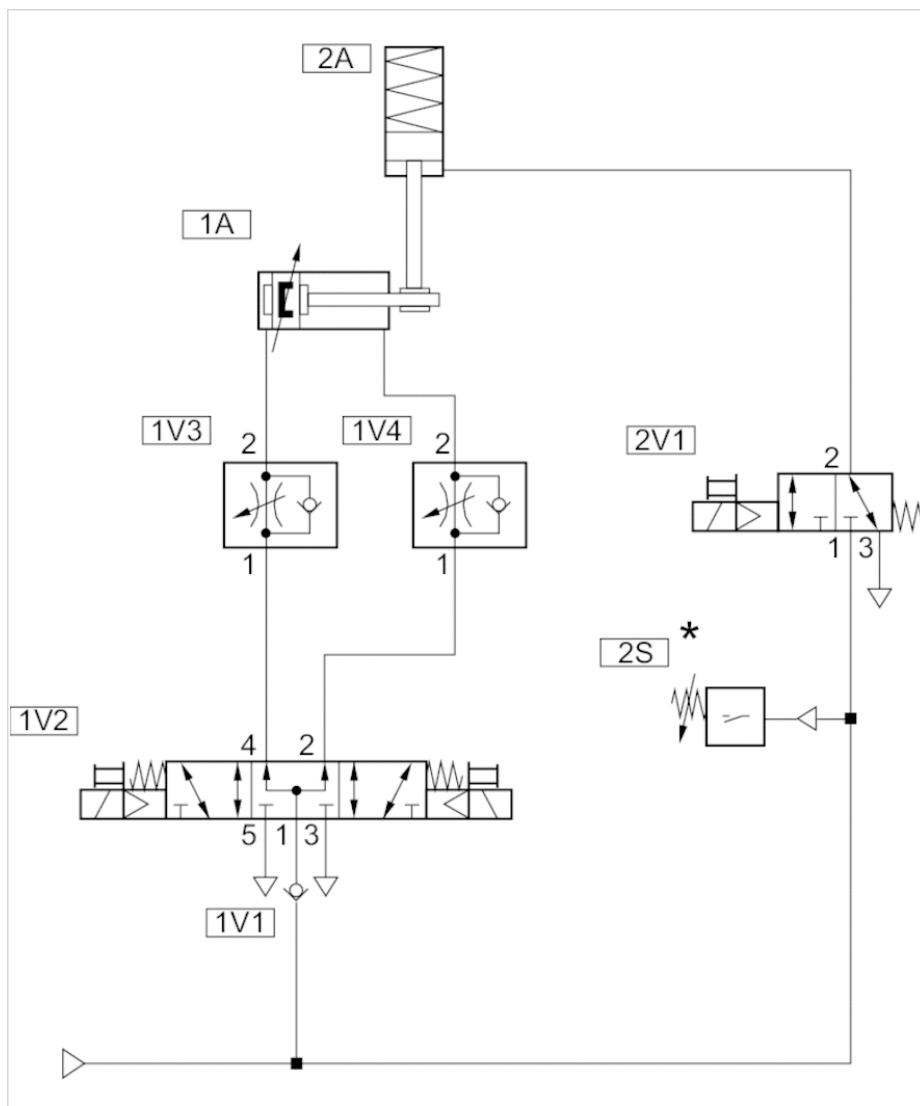
Ø	32	40	50	63	80	100
E2	48	53	63	75	98	118
E3	57	62	72	64	107	127
EE	G 1/8	G 1/8	G 1/8	G 1/8	G 1/8	G 1/8
KF	M8	M8	M10	M10	M12	M12
KK	M10x1,25	M10x1,25	M12x1,25	M12x1,25	M16x1,5	M16x1,5
KV	16	16	18	18	24	24
KW	5	5	6	6	8	8
LA	2.5	2.5	2.5	2.5	3	3
LJ	5	10	12	15	22	27
LW	5	6	7	7	7.5	7.5
L19	125	126	145	165	185	220
L20	44	44	49	52	61,5	68
ØMMf8	12	16	20	20	25	25
PL1	8.5	8.5	8.5	8.5	8.3	9.7
PL2	133.5	133.5	153,5	173.5	193,3	229,7
RT	M6	M6	M8	M8	M10	M10
SW	10	13	16	16	21	21
SW*	10	13	16	16	21	21
VD	19	21	28	28	34	37
TG	32,5 ±0,5	38 ±0,5	46,5 ±0,6	56,5 ±0,7	72 ±0,7	89 ±0,7
WH	26,5	30.5	38	38	46	49
ZA+S	169 ±0,5	165 ±0,5	186 ±0,5	208,5 ±0,5	239 ±0,5	282 ±0,5
ZB+S	195,5 ±1,6	195,5 ±1,6	224 ±1,6	246,5 ±2	285 ±2	331 ±2

1) Min.

* Hexagonal wrench flats

circuit diagram

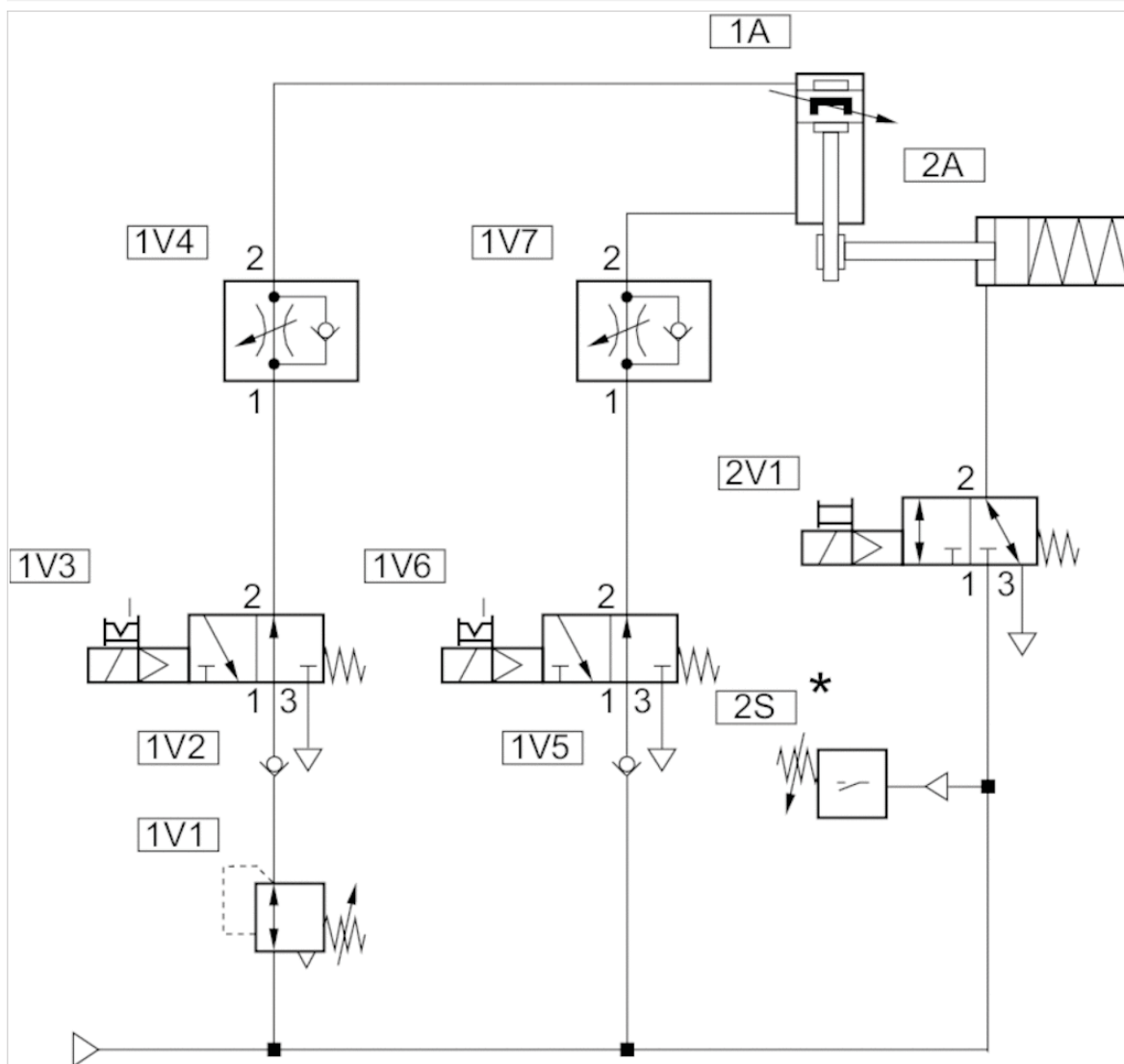
Circuit example for non-safety relevant functions: horizontal installation position



* From 4 bar : release of 2V1

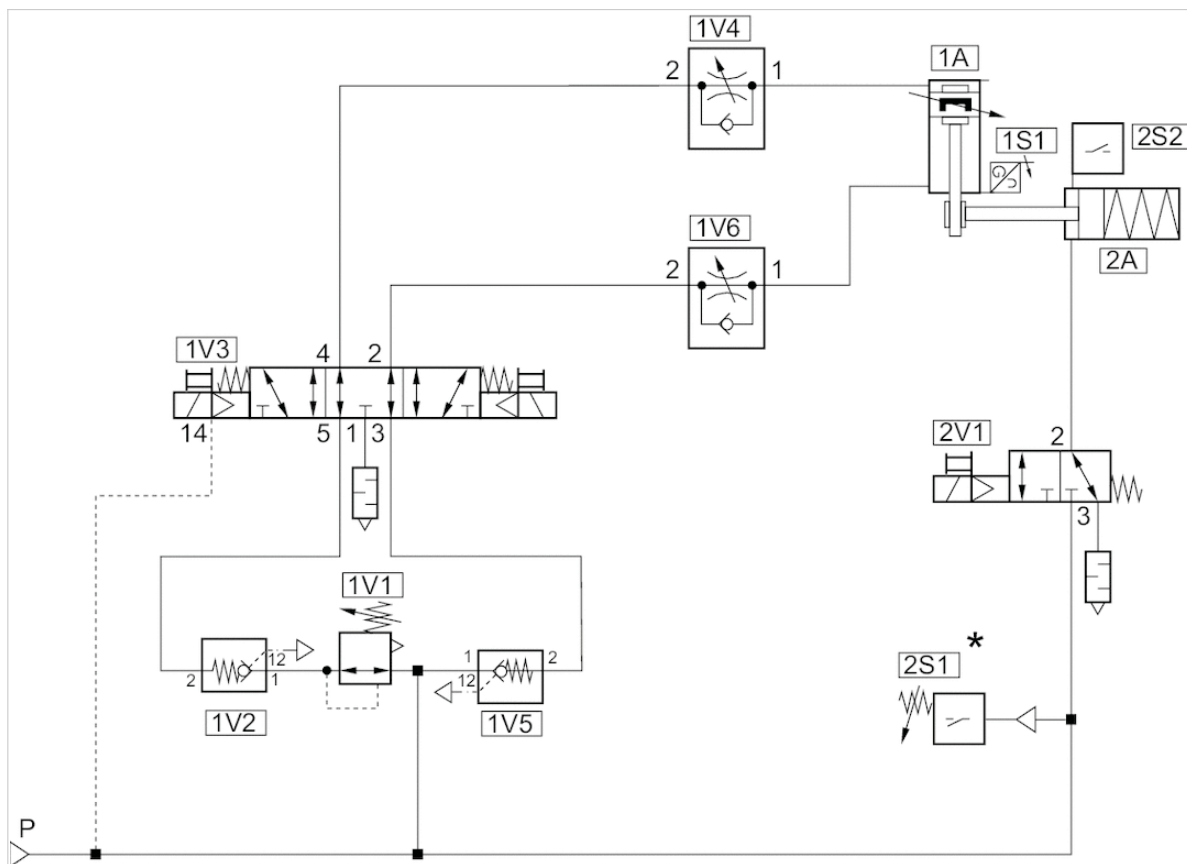
PDF creation date: 23.07.2018

Circuit example for non-safety relevant functions: Vertical mounting orientation



* From 4 bar : release of 2V1

Circuit example for safety-related stop functions: horizontal installation position



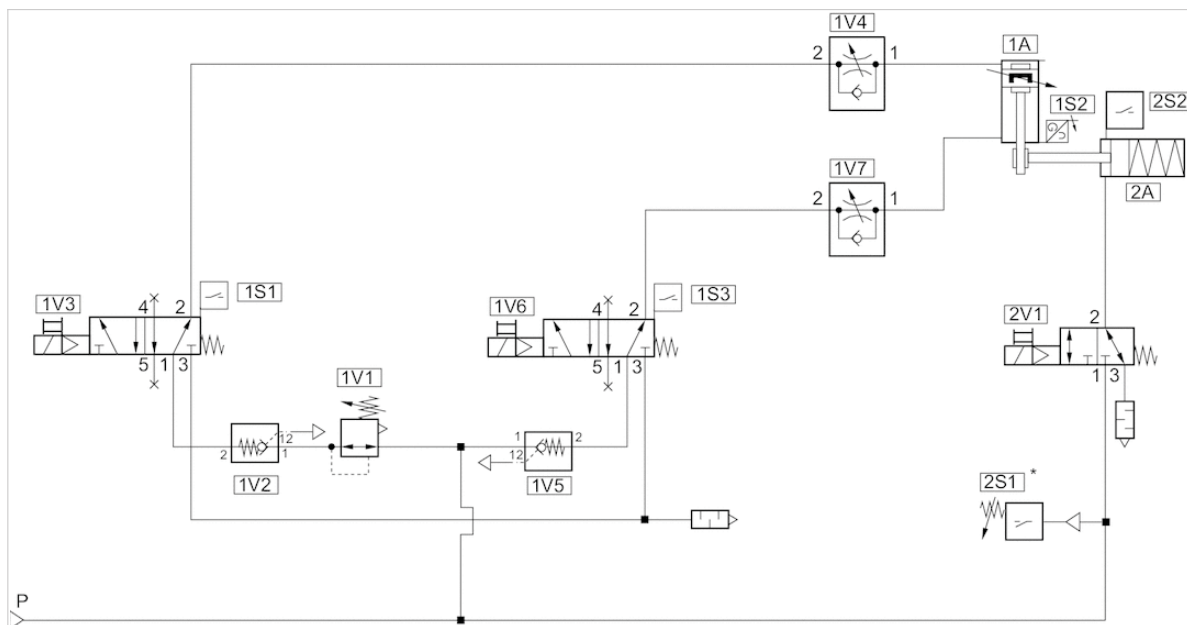
Channel 1: Safe stopping and closing

Channel 2: Safe brake control

* From 4 bar : release of 2V1

PDF creation date: 23.07.2018

Circuit example for safety-related stop functions: Vertical mounting orientation



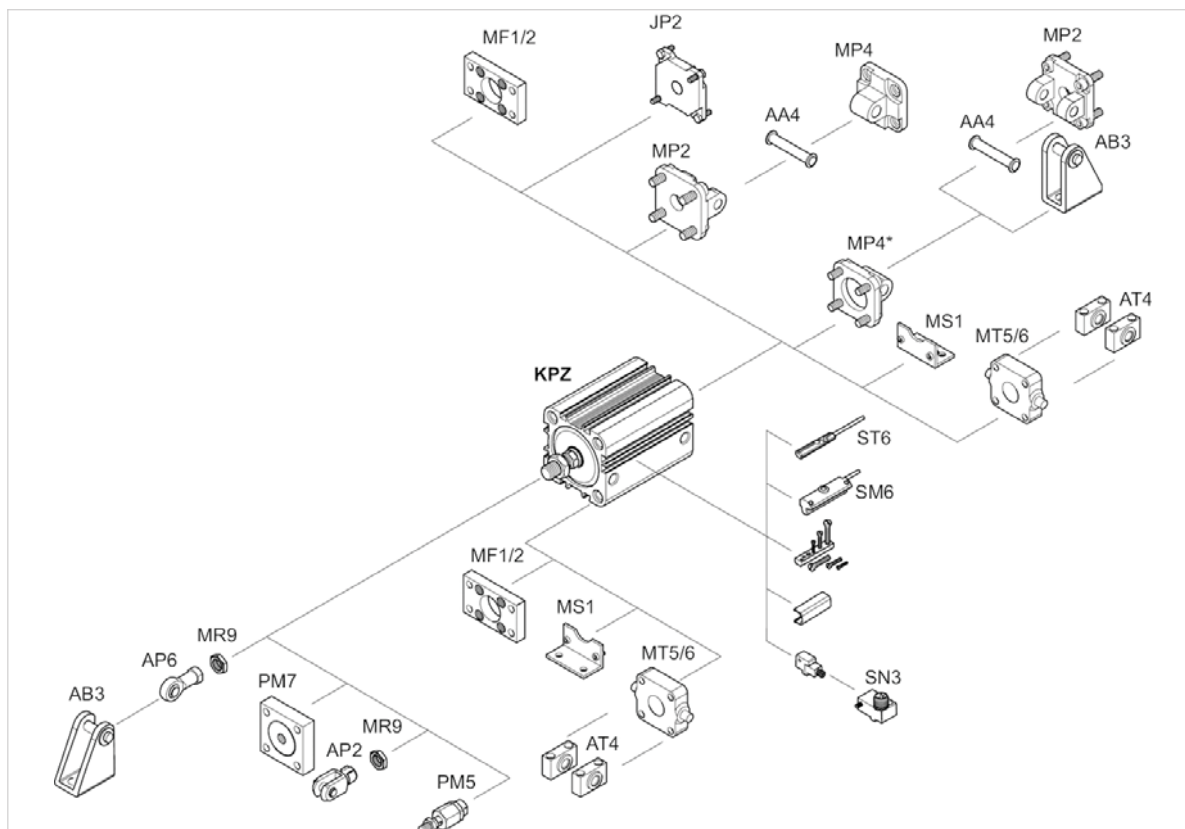
Channel 1: Safe stopping and closing

Channel 2: Safe brake control

* From 4 bar : release of 2V1

Accessories overview

Overview drawing



* Available for installation on KPZ for cylinder diameters 16 - 25 mm

NOTE: This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.