

Foot mounting



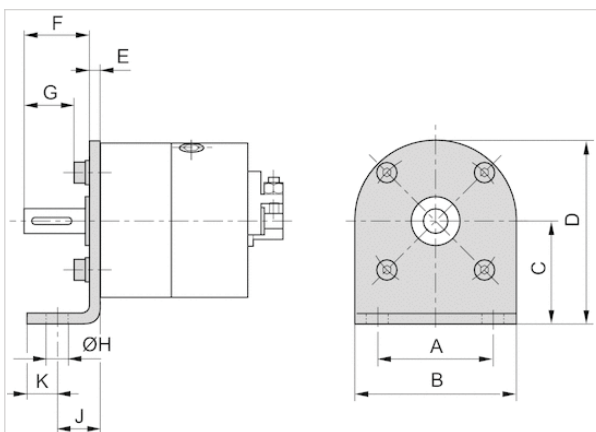
Technical data

Part No.	For series
2706112000	RAK - 1S
2706122000	RAK - 2S
2706132000	RAK - 3S
2706142000	RAK - 4S
2706152000	RAK - 5S RAK - 5D

Technical information

Material	
Material	Steel
	galvanized

Dimensions



Dimensions

Part No.	For series	A	B	C	D	E	F	G	H	J	K
2706112000	RAK - 1S	20	30	22	37	2	14	10.3	4.8	10	5
2706122000	RAK - 2S	26	36	25	43	2.6	16.4	12.7	4.8	11	7
2706132000	RAK - 3S	30	42	30	51	3.2	19.8	16.1	5.8	12	8
2706142000	RAK - 4S	36	49	34	58	3.6	25	18.7	6.5	15	10
2706152000	RAK - 5S RAK - 5D	48	66	42	75	4.5	27	20.7	6.5	18	12

Flange mounting



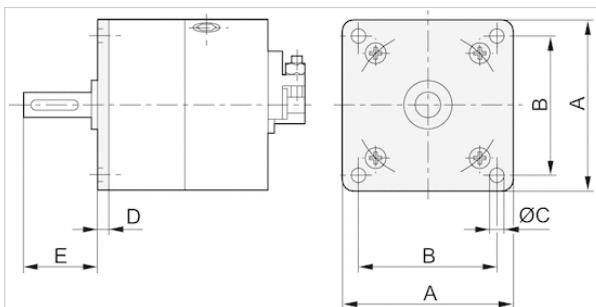
Technical data

Part No.	For series
2706131000	RAK - 3S
2706141000	RAK - 4S
2706151000	RAK - 5S RAK - 5D

Technical information

Material	
Material	Steel
	galvanized

Dimensions



Dimensions

Part No.	For series	A	B	C	D	E
2706131000	RAK - 3S	42	34	3.5	3.2	19.8
2706141000	RAK - 4S	50	41	5.5	3.6	24.9

Part No.	For series	A	B	C	D	E
2706151000	RAK - 5S RAK - 5D	64	52	5.5	3.6	27.9

Protective cover

- for series RAK - 2S RAK - 3S RAK - 4S RAK - 5S RAK - 5D



Weight

See table below

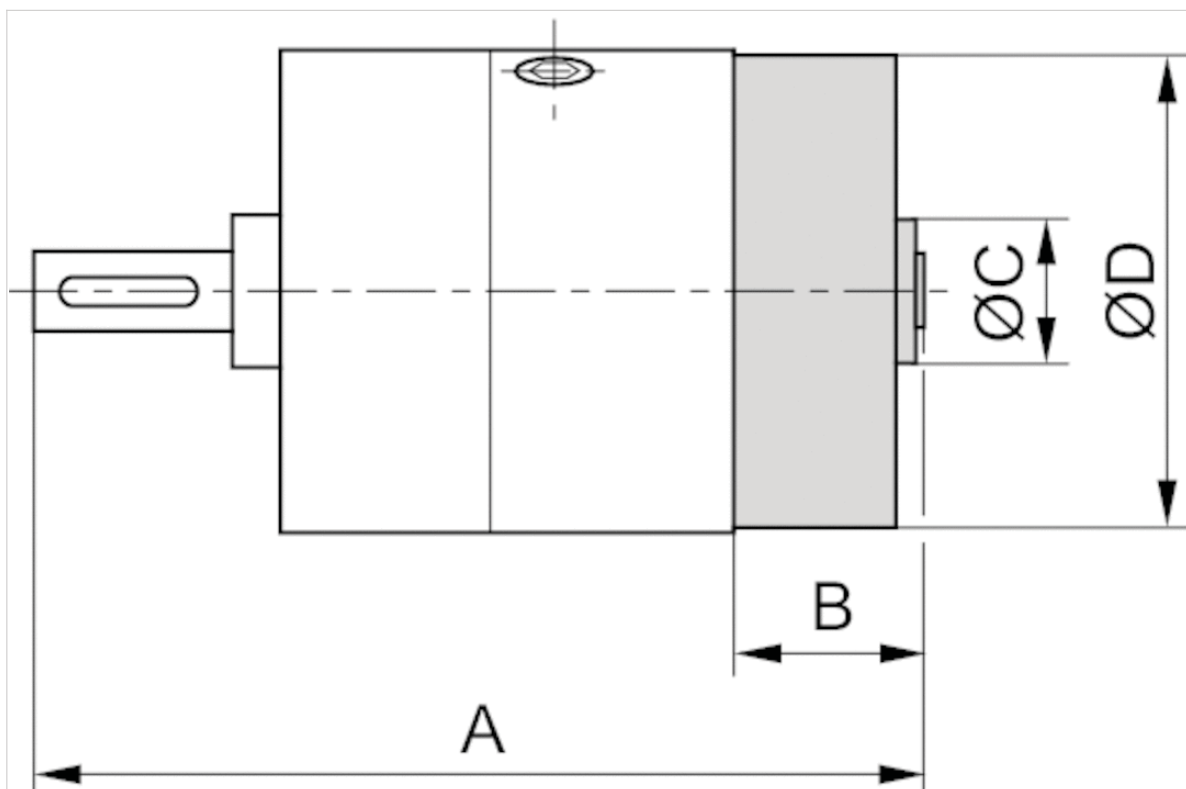
Technical data

Part No.	for series	Weight
2706320000	RAK - 2S	0,015 kg
2706330000	RAK - 3S	0,015 kg
2706340000	RAK - 4S	0,025 kg
2706350000	RAK - 5S RAK - 5D	0,025 kg

Technical information

Material	
Housing	Plastic

Dimensions



Dimensions

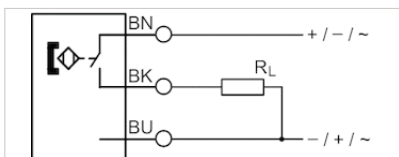
Part No.	For series	A	B	C	D
2706320000	RAK - 2S	65.7	20.7	19	35
2706330000	RAK - 3S	84.7	21.7	19	41
2706340000	RAK - 4S	106.2	22.7	19	49
2706350000	RAK - 5S RAK - 5D	116.2	24.7	19	63

Sensors

- with cable
- electronic PNP
- Direct mounting for series RAK - 1S RAK - 2S RAK - 3S RAK - 4S RAK - 5S RAK - 5D



Ambient temperature min./max.	5 ... 60 °C
Protection class	IP67
Power consumption	15 mA
Min./max. DC operating voltage	10 ... 30 V DC
Switching time on	1 ms
Switching time off	1 ms
Display	LED
Shock resistance	50 g / 11 ms
Cable color	Black



Technical data

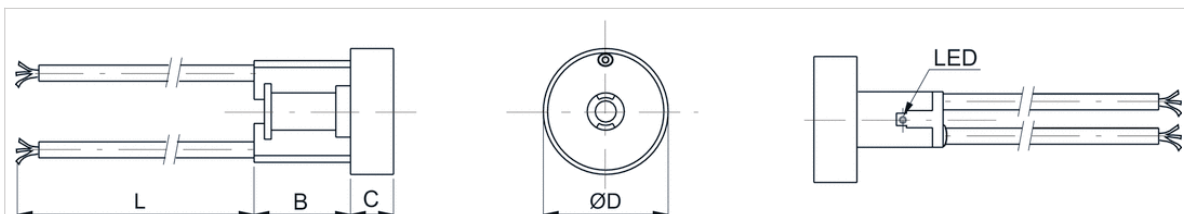
Part No.	for	Type of contact	Cable length L
3224010000	RAK - 1S	electronic PNP	1 m
3224020000	RAK - 2S	electronic PNP	1 m
3224030000	RAK - 3S	electronic PNP	1 m
3224040000	RAK - 4S	electronic PNP	1 m
3224050000	RAK - 5S RAK - 5D	electronic PNP	1 m

Technical information

Material	
Housing	Polyamide
Cable sheath	Polyvinyl chloride

Dimensions

Dimensions



Dimensions

Part No.	B	C	ØD	L [mm]
3224010000	22	8.5	28	1000
3224020000	22	17.2	35	1000
3224030000	22	18.2	41	1000
3224040000	22	19.2	49	1000
3224050000	22	21.2	63	1000

Flange mounting



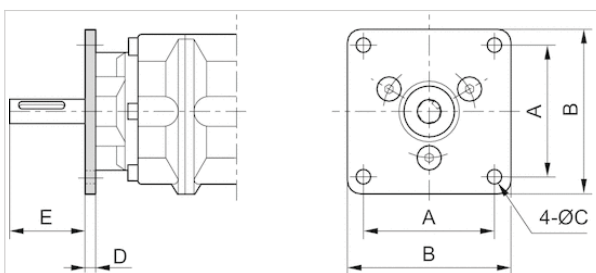
Technical data

Part No.	For series
2706161000	RAK - 6S RAK - 6D
2706171000	RAK - 7S RAK - 7D

Technical information

Material	
Material	Steel
	galvanized

Dimensions



Dimensions

Part No.	A	B	C	D	E
2706161000	64	80	7	4.5	35
2706171000	88	110	9	6	47.5

Foot mounting



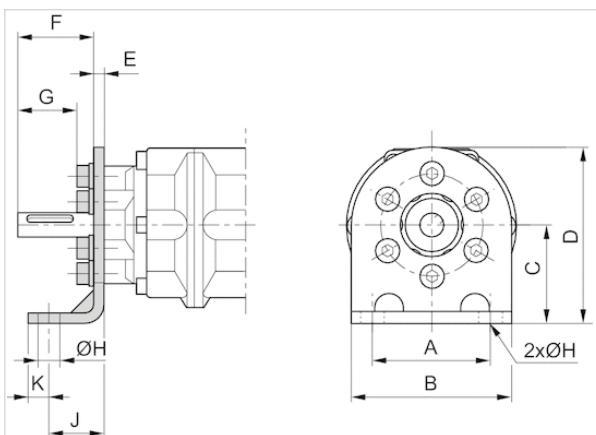
Technical data

Part No.	For series
2706162000	RAK - 6S RAK - 6D
2706172000	RAK - 7S RAK - 7D
2706182000	RAK - 8S RAK - 8D

Technical information

Material	
Material	Steel
	galvanized

Dimensions



Dimensions

Part No.	A	B	C	D	E	F	G	H	J	K
2706162000	55	75	45	82.5	4.5	35	27.5	11	25	10
2706172000	80	110	65	115	10	43.5	33.5	13	28	12
2706182000	100	140	80	135	12	53	40.5	15	32	13

Hydraulic shock absorber

- for RAK - 6S RAK - 6D RAK - 7S RAK - 7D RAK - 8S RAK - 8D



Ambient temperature min./max.

5 ... 50 °C

Medium

Oil

Weight

See table below

Technical data

Part No.	for series	Max. energy absorption/stroke	Max. energy absorption/hour
2706660000	RAK - 6S RAK - 6D	2,94 Nm	1152 Nm
2706670000	RAK - 7S RAK - 7D	9,81 Nm	4212 Nm
2706680000	RAK - 8S RAK - 8D	19,61 Nm	8208 Nm

Part No.	Max. permissible mass moment of inertia	Max. angular velocity	Cushioning angle per piston	Weight
2706660000	0,098 kg cm ²	850 °/s	11 °	0,24 kg
2706670000	0,294 kg cm ²	750 °/s	12 °	0,42 kg
2706680000	0,588 kg cm ²	650 °/s	14 °	0,78 kg

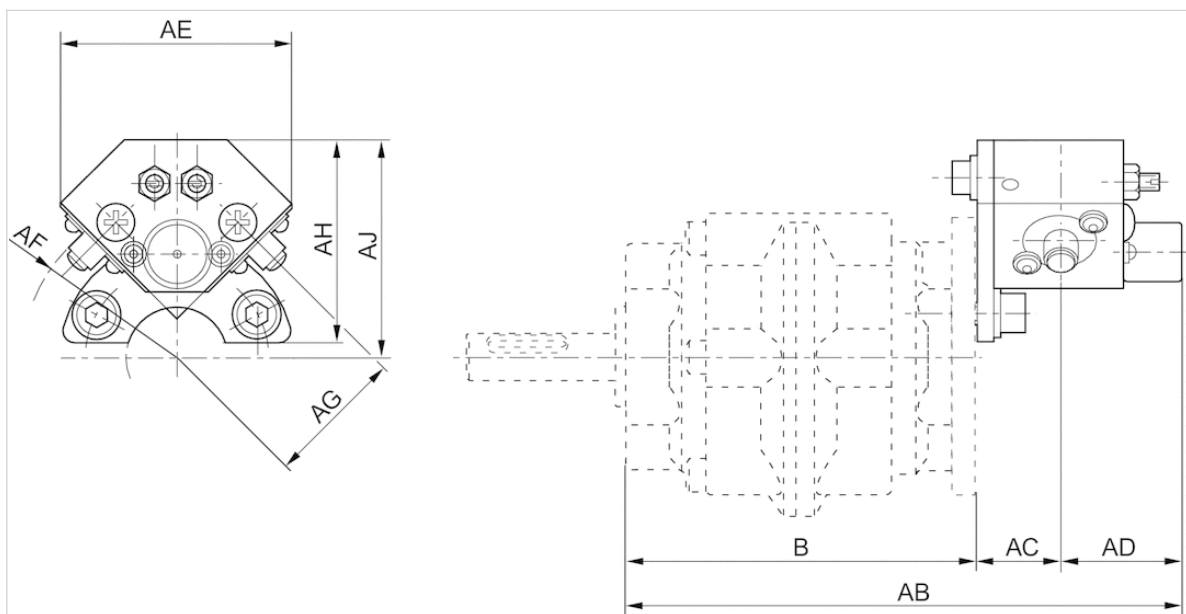
Technical information

Material

Cylinder tube	Aluminum, anodized
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Dimensions

Dimensions



Dimensions

Part No.	AB	AC	AD	AE	AF	AG	AH	AJ	B
2706660000	136.5	20.5	30	56.6	38	34	50	54	86
2706670000	159.5	22.5	34	70.7	51	46	62	71.5	103
2706680000	187.5	25.5	37	91.9	68	62	87	96	125

Swivel arms without magnet, for 6S, 6D, 7S, 7D, 8S, and 8D

- for series RAK - 6S RAK - 6D RAK - 7S RAK - 7D RAK - 8S RAK - 8D



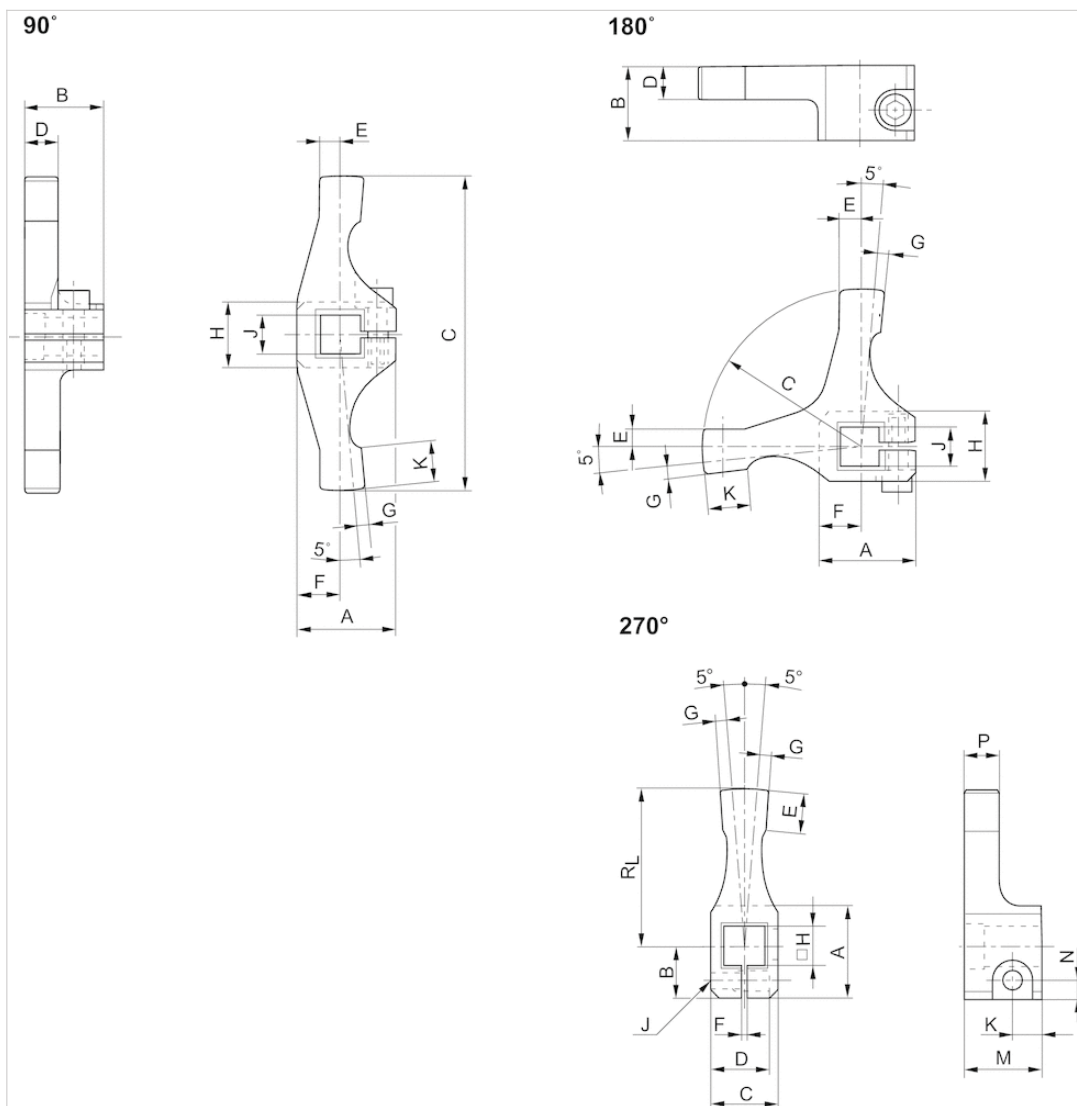
Technical data

Part No.	for series
2706260100	RAK - 6S RAK - 6D
2706260300	RAK - 6S RAK - 6D
2706270100	RAK - 7S RAK - 7D
2706270300	RAK - 7S RAK - 7D
2706280100	RAK - 8S RAK - 8D
2706280300	RAK - 8S RAK - 8D
R402004083	RAK - 7S RAK - 7D

Technical information

Material	
Housing	Aluminum, anodized

Dimensions



Dimensions

Part No.	[°] 1)	A	B	C	D	E	F	G	H	J	K	L	M	N	P
2706260100	90	23	18	76	8	5	10	2.5	16	10	10	-	-	-	-
2706260300	180	23	18	38	8	5	10	2.5	16	10	10	-	-	-	-
2706270100	90	28	20	102	10	5	12	4	24	13	12	-	-	-	-
2706270300	180	28	20	51	10	5	12	4	24	13	12	-	-	-	-
2706280100	90	40	23.5	136	12	9	18	5.4	35	19	14	-	-	-	-
2706280300	180	28	20	51	10	5	12	4	24	13	12	-	-	-	-
R402004083	270	28	16	24	19.5	12	1.2	4.1	13	M6	9	51	20	5	10

1) angle of rotation

Swivel arms with magnet, for 6S, 6D, 7S, 7D, 8S, and 8D

- for series RAK - 6S RAK - 6D RAK - 7S RAK - 7D RAK - 8S RAK - 8D



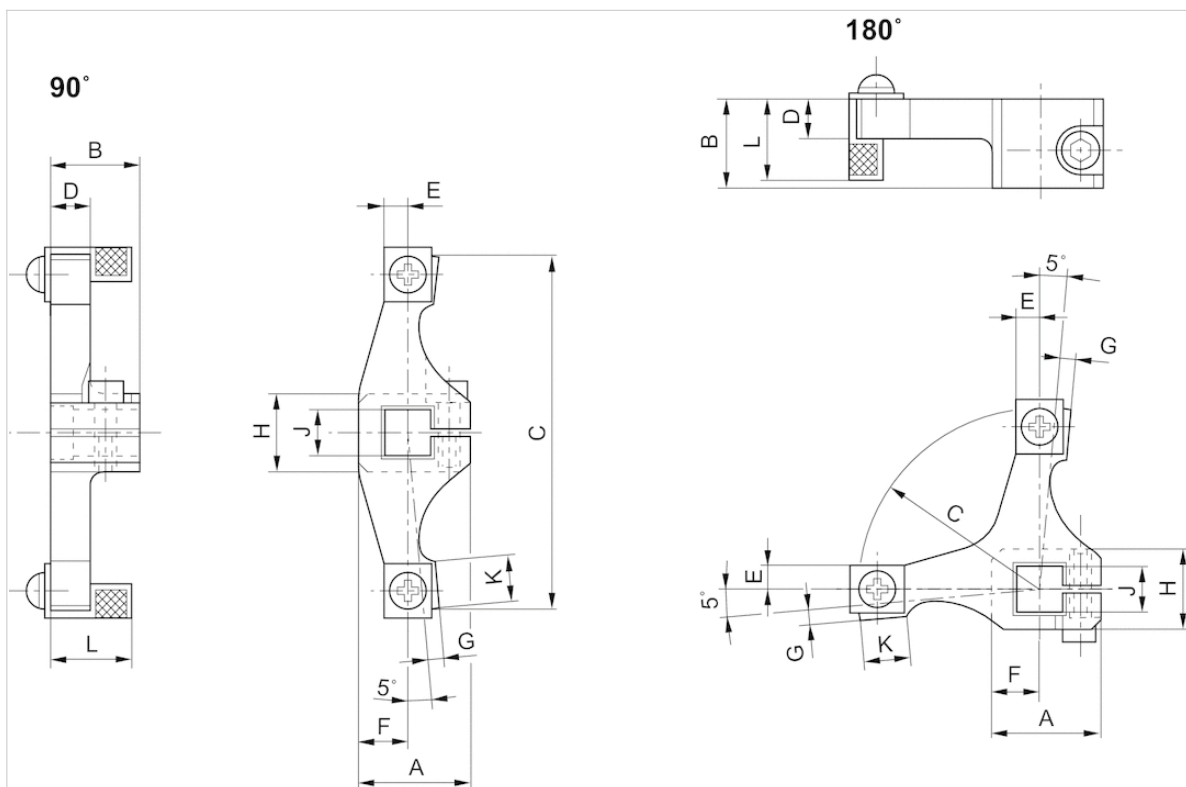
Technical data

Part No.	for series
3224165100	RAK - 6S RAK - 6D
3224165300	RAK - 6S RAK - 6D
3224175100	RAK - 7S RAK - 7D
3224175300	RAK - 7S RAK - 7D
3224185100	RAK - 8S RAK - 8D
3224185300	RAK - 8S RAK - 8D

Technical information

Material	
Housing	Aluminum, anodized

Dimensions



Dimensions

Part No.	[°] 1)	A	B	C	D	E	F	G	H	J	K	L
3224165100	90	23	18	76	8	5	10	2.5	16	10	10	17,2
3224165300	180	23	18	38	8	5	10	2.5	16	10	10	17,2
3224175100	90	28	20	102	10	5	12	4	24	13	12	19,2
3224175300	180	28	20	51	10	5	12	4	24	13	12	19,2
3224185100	90	40	23.5	136	12	9	18	5.4	35	19	14	21,2
3224185300	180	40	23.5	68	12	9	18	5.4	35	19	14	21,2

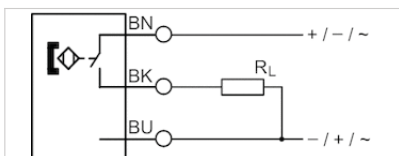
1) angle of rotation

Sensor

- with cable
- electronic PNP
- electronic PNP
- Direct mounting for series RAK - 6S RAK - 6D RAK - 7S RAK - 7D RAK - 8S RAK - 8D



Ambient temperature min./max.	5 ... 60 °C
Protection class	IP67
Power consumption	20 mA
Min./max. DC operating voltage	10 ... 30 V DC
Switching time on	1 ms
Switching time off	1 ms
Display	LED
Shock resistance	50 g / 11 ms
Cable color	Black



Technical data

Part No.	for	Type of contact
3224103100	RAK - 6S RAK - 6D RAK - 7S RAK - 7D RAK - 8S RAK - 8D	electronic PNP

Part No.	Cable length L	Function
3224103100	1 m	electronic PNP

BN = brown↔BK = black↔BU = blue

Sensor mounting

- for series RAK - 6S RAK - 6D RAK - 7S RAK - 7D RAK - 8S RAK - 8D



Ambient temperature min./max.

5 ... 60 °C

Weight

0,01 kg

Technical data

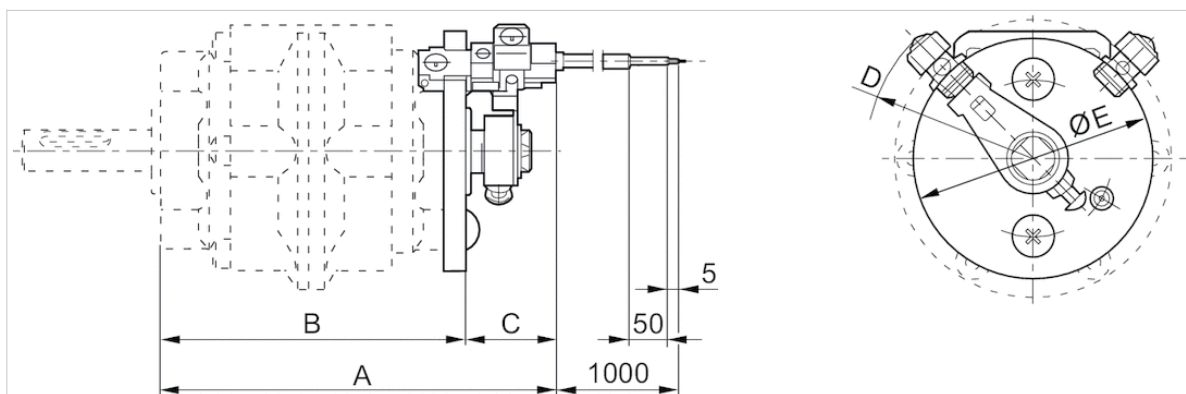
Part No.	Cylinders Ø	Cylinders Ø	for series	Scope of delivery
	min.	max.		
3224160000	2,5 mm	10 mm	RAK - 6S RAK - 6D	1 piece
3224170000	2,5 mm	10 mm	RAK - 7S RAK - 7D	1 piece
3224180000	2,5 mm	10 mm	RAK - 8S RAK - 8D	1 piece

Technical information

Material

Aluminum, anodized

Dimensions



Dimensions

Part No.	Cylinders Ø	For series	A	B	C	D	E
3224160000	2,5 mm	RAK - 6S RAK - 6D	115	87.2	25.5	R47	69
3224170000	2,5 mm	RAK - 7S RAK - 7D	131.7	104.2	27.5	R61	97
3224180000	2,5 mm	RAK - 8S RAK - 8D	161.2	126.2	35	R69	113

Mounting plate

- for series RAK - 6S RAK - 6D RAK - 7S RAK - 7D RAK - 8S RAK - 8D



Weight

See table below

Technical data

Part No.	for series	Scope of delivery	Weight
3224161000	RAK - 6S RAK - 6D	1 piece	0,05 kg
3224171000	RAK - 7S RAK - 7D	1 piece	0,1 kg
3224181000	RAK - 8S RAK - 8D	1 piece	0,15 kg

Technical information

Material
Aluminum, anodized