

C(D)85K, ISO Cylinder, Double Acting, Single Rod, Non-Rotating CD85KN12-50-B

Datasheet

General series information

- ISO cylinder, double acting, single rod
- Bore sizes (mm): 8, 10, 12, 16, 20, 25
- Type: non-rotating
- Cushion: rubber bumper only
- Strokes (mm): up to 300 (depending on bore)
- Auto switches available (order separate)



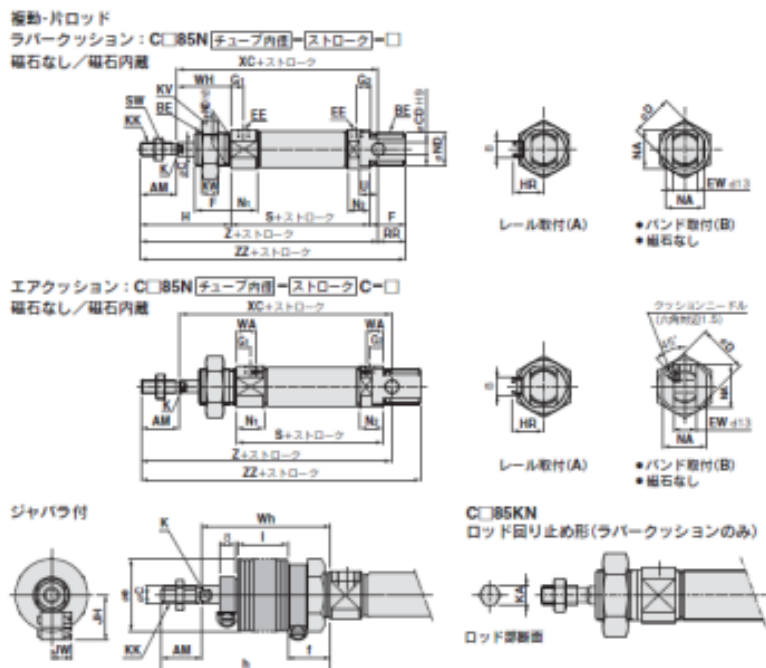
Double-acting cylinder, non-rotating single piston rod

Standard specifications

Magnet	D (Built-in)
Mounting	N (Basic Integrated Clevis)
Bore Size	Ø12 mm
Stroke	50
Switch Mounting	B (Band)
Auto Switch	No Switch
Lead Wire or Prewired Connector	0.5m (Or None in the Case of No Switch)
Number	2 pcs. (Or None in the Case of No Switch)
Rod End Options	None
Made of Stainless Steel	None
Long Stroke	None
Pressure medium	Compressed air
Maximum temperature of pressure medium with magnet	60 °C
Minimum temperature of pressure medium with magnet	-10 °C
Maximum operating pressure	1 MPa
Minimum operating pressure	0.08 MPa
Proof pressure	1.5 MPa

Maximum ambient temperature with magnet	60 °C
Minimum ambient temperature with magnet	-10 °C
Number of pneumatic connections	2 pcs.
Pneumatic input connection	M5
Pneumatic output connection	M5
Mode of operation of drive	Double acting
Theoretical cylinder force, advance stroke (at 0.5 MPa)	56.6 N
Theoretical cylinder force, return stroke (at 0.5 MPa)	42.4 N
Maximum piston speed	1500 mm/s
Type of cushioning	Rubber bumper
Piston rod end	External thread
Geometric form of the piston rod	Single rod
Male thread of rod end	M6
Tolerance of torsion	±1°
Weight	0.106 Kg

Dimensions



寸法表

シリーズ	AM	BE	C	CD	D	EE	EW	F	G	Gu	H	HR	K	KA	KK	KV/KN	Ni	Nu	NA	NC	RR	S	SW	U	WA	WH	XC	Z	ZZ
8	12	M7×1.25	4.4	16.3	WS×0.8	8.12	F	5	20	10	—	4.2	M4×0.7	10	4	11.5	9.5	15	12	10	45	7	6	—	10	62	75	89	
10	12	M12×1.25	4.4	16.3	WS×0.8	8.12	F	5	20	10	—	4.2	M4×0.7	10	4	11.5	9.5	15	12	10	45	7	6	10.5	10	64	75	89	
12	16	M16×1.5	6.6	19.3	WS×0.8	12.17	F	5	20	10	—	4.2	M4×0.7	10	4	11.5	9.5	15	12	10	45	7	6	10.5	10	64	75	89	
16	16	M16×1.5	6.6	19.3	WS×0.8	12.17	F	5	20	10	—	4.2	M4×0.7	10	4	11.5	9.5	15	12	10	45	7	6	10.5	10	64	75	89	
20	20	M22×1.5	8.8	28	G 1/8	16.20	B	8	44	17	5	8.3	M8×1.25	32	11	5	17	15	17	24	22	11	62	13	23	26	95	115	126
25	25	M22×1.5	10.8	33	G 1/8	16.20	B	8	44	20	8	10.2	M10×1.25	35	11	5	17	15	17	24	22	11	65	17	23	28	105	126	137

()内はエアクッションの寸法。

ジャバラ付

シリーズ	AM	C	e	f	K	KK	h
8	20	8	36	20	8	M8×1.25	1~50
10	22	10	36	20	8	M10×1.25	1~50
12	20	8	36	20	8	M8×1.25	1~50
16	20	8	36	20	8	M8×1.25	1~50
20	20	8	36	20	8	M8×1.25	1~50
25	20	8	36	20	8	M8×1.25	1~50

ジャバラ付

シリーズ	AM	C	e	f	K	KK	h
8	20	8	36	20	8	M8×1.25	1~50
10	22	10	36	20	8	M10×1.25	1~50
12	20	8	36	20	8	M8×1.25	1~50
16	20	8	36	20	8	M8×1.25	1~50
20	20	8	36	20	8	M8×1.25	1~50
25	20	8	36	20	8	M8×1.25	1~50

Constructions

Double acting: Single rod

C□85□8 to16 Rubber bumper (Disassembly is not possible)



Component Parts

No.	Description	Material	Quantity	Remarks
①	Rod cover	Aluminum alloy	1	White anodized
②A	Head cover N	Aluminum alloy	1	White anodized
②B	Head cover E	Aluminum alloy	1	White anodized
②C	Head cover F	Aluminum alloy	1	White anodized
②D	Head cover Y	Aluminum alloy	1	White anodized
③	Cylinder tube	Stainless steel	1	
④	Piston rod	Stainless steel	1	
⑤A	Piston A	Brass	1	
⑤B	Piston B	Brass	2	(Switch style piston)

No.	Description	Material	Quantity	Remarks
⑥	Bushing	Sintered bronze	1	
⑦	Magnet		1	(Switch style only)
⑧	Bumper	Urethane	2	
⑨	Piston gasket	NBR	1	(2 for switch style)
⑩	Tube gasket	NBR	2	
⑪	Rod seal	NBR	1	
⑫	Piston seal	NBR	2	
⑬	Rod end nut	Carbon steel	1	Nickel plated
⑭	Mounting nut	Carbon steel	1	Nickel plated

Additional information

Catalogue

[C85_C75-A_EU.pdf](#)