

ATEX Compliant ISO Cylinder/Standard: Double Acting

Series 55-C85

ø8, ø10, ø12, ø16, ø20, ø25

How to Order

**Double acting
Single rod**

**Double acting
Double rod**

55-C D 85 K N 20 40 C A

55-C D 85W E 20 40 C B

• Auto switch mounting type

A	Rail mounting
B	Band mounting

• Cushion

—	Rubber bumper (Standard)
C	Air cushion (only "N" execution, bores 10 to 25mm)

• Bore size • Stroke

Bore size (mm)	Standard stroke (mm)**	Max. stroke (mm)	
		100	200
ø8*	10, 25, 40, 50, 80, 100	400	100
ø10			100
ø12	10, 25, 40, 50, 80, 100, 125, 160, 200	400	200
ø16			200
ø20	10, 25, 40, 50, 80, 100, 125, 160, 200, 250, 300	1000	1000
ø25			1000

* Not available with air cushion.
** Other strokes available on request.

ATEX category 2

—	None
D	Built-in magnet

Magnet

—	Standard
D	Non rotating rod (only rubber bumper)

Style

—	Standard
D	Non rotating rod (only rubber bumper)

Mounting style

Symbol	Mounting
N	Basic integrated clevis
E**	Double end type
F**	Front nose type
Y**	Front nose in line type

* Double acting/Double rod type:
Only double end type (E).
** Except for air cushion type

For 55-CD85

When using an Auto switch, select the appropriate switch from the following table and order it separately.

Applicable auto switch specifications

Auto switch only conforms to Category 3. (II 3GD EEx nA II T5x -10°C ≤ Ta ≤ +60°C IP67)

For detailed specifications on the D-A73(H), A80(H), F7P(V), C73, C80, and H7A2, please refer to the relevant pages in Best Pneumatics.

(Note: Reed auto switches for AC 100V and DC 100V are not within the specification.)

Type	Model No.		Electrical entry	Indicator	Wiring (Output)	Load voltage			Lead wire* (m)			Applicable load
	Rail mounting	Band mounting				DC	AC	0.5 (—)	3 (L)	5 (Z)		
Reed auto switch	D-A73□-588	—	Grommet (Perpendicular entry)	Yes	2-wiring	24V	12V	—	●	●	●	—
	D-A80□-588	—		No		24V or less	48V	48V or less	●	●	—	IC circuit
	D-A73H□-588	D-C73□-588	Grommet (In-line entry)	Yes		24V	12V	—	●	●	●	—
	D-A80H□-588	D-C80□-588		No		24V or less	48V	48V or less	●	●	—	IC circuit
Solid state auto switch	D-F7PV□-588	—	Grommet (Perpendicular entry)	Yes	3-wiring (PNP)	24V	5V, 12V	—	●	●	○	IC circuit
	D-F7P□-588	D-H7A2□-588	Grommet (In-line entry)	Yes					●	●	○	

• Lead wire length 0.5m --- Nil (e.g.) D-A73-588
3 m --- L (e.g.) D-A73L-588
5 m --- Z (e.g.) D-A73Z-588

Note 1) ○ solid state auto switch is available after receiving an order.

Note 2) When mounting an auto switch on a 55- series (Category 2) Model, the ATEX category of the auto switch cylinder changes to Category 3, which is the same category as the auto switch.

Mounting Bracket Part No.

Bore (mm)	8	10	12	16	20	25
Bracket						
Foot (1 pc.)	C85L10A		C85L16A		C85L25A	
Foot (2 pcs. with mounting nut 1 pc.)	C85L10B		C85L16B		C85L25B	
Flange	C85F10		C85F16		C85F25	
Trunnion	C85T10		C85T16		C85T25	
Clevis	C85C10		C85C16		C85C25	
Single knuckle joint	KJ4D		KJ6D		KJ8D	KJ10D
Double knuckle joint	GKM4-8		GKM6-10		GKM8-16	GKM10-20
Floating joint	JA10-4-070		JA15-6-100		JA20-8-125	JA30-10-125

Note) Please order mounting brackets separately.

When ordering a band mounting type auto switch, also order a mounting bracket from the following list at the same time.

Auto switch mounting bracket/ Part no. (Band mounting type)

Auto switch Model	Tube I.D. (mm)					
	8	10	12	16	20	25
D-C73□-588						
D-C80□-588	BJ2-008	BJ2-010	BJ2-012	BJ2-016	BM2-020	BM2-025
D-H7A2□-588						