

(Lever type/Rotary type)



IP8000-X35□/8100-X35□ Series

Ex ib IIC T5/T6 Gb

Ex db IIB T6 Gb

How to Order

CCC certification (explosion-proof electrical product)
Intrinsically Safe Explosion-proof: Ex ib IIC T5/T6 Gb

IP8 000 - 0 1 0 - □ - □ - □

Type

000	Electro-pneumatic lever type
100	Electro-pneumatic rotary type

Pressure gauge

Symbol	Pressure gauge
0	None
1	0.2 MPa
2	0.3 MPa
3	1.0 MPa

CCC certification classification

Symbol	Intrinsically safe explosion-proof	Low-temperature specification (-40 to 60°C)	With internal opening indicator plate
X350	●	—	—
X351	●	●	—
X352*6	●	—	●

*6 IP8000 type only

Accessories*1

Symbol	Accessories	Applicable model	
		IP8000-X35□	IP8100-X35□
Nil	None (Standard)	●	●
A	ø0.7 Output restriction with pilot valve*2	●	●
B	ø1.0 Output restriction with pilot valve*2	●	●
C	Fork lever-type fitting M	—	●
D	Fork lever-type fitting S	—	●
E	For stroke 35 to 100 mm with lever unit*3	●	—
F	For stroke 50 to 140 mm with lever unit*3	●	—
G	Compensation spring (A)*4	●	●
H	With external scale plate	—	●

- *1 If two or more accessories are required, the part numbers should be made according to alphabetical order.
ex.) IP8000-010-AG-X350
- *2 "A" is applied to approx 90 cm³-capacity actuator. "B" is applied to approx 180 cm³-capacity actuator.
- *3 Standard lever is not attached.
- *4 It is to be used together with "A" or "B" when tending to overshoot by the use of "A" or "B".
It can be replaced with a standard compensation spring and mounted on the body.

Connection

Symbol	Air	Electric
Nil	Rc1/4	G1/2
M*5	Rc1/4	M20 x 1.5
N	Rc1/4	1/2NPT
1	1/4NPT	G1/2
2*5	1/4NPT	M20 x 1.5
3	1/4NPT	1/2NPT
4	G1/4	G1/2
5*5	G1/4	M20 x 1.5
6	G1/4	1/2NPT

*5 When the symbol is M, 2, or 5, a blue cable gland is included with the electrical connection.

CCC certification (explosion-proof electrical product)
Explosion-proof: Ex db IIB T6 Gb

IP8 000 - 0 1 1 - □ - □ - X353

Type

000	Electro-pneumatic lever type
100	Electro-pneumatic rotary type

Pressure gauge

Symbol	Pressure gauge
0	None
1	0.2 MPa
2	0.3 MPa
3	1.0 MPa

CCC certification classification

Symbol	Explosion-proof construction
X353	Explosion-proof

Accessories*1

Symbol	Accessories	Applicable model	
		IP8000-X35□	IP8100-X35□
Nil	None (Standard)	●	●
A	ø0.7 Output restriction with pilot valve*2	●	●
B	ø1.0 Output restriction with pilot valve*2	●	●
C	Fork lever-type fitting M	—	●
D	Fork lever-type fitting S	—	●
E	For stroke 35 to 100 mm with lever unit*3	●	—
F	For stroke 50 to 140 mm with lever unit*3	●	—
G	Compensation spring (A)*4	●	●
H	With external scale plate	—	●

- *1 If two or more accessories are required, the part numbers should be made according to alphabetical order.
ex.) IP8000-010-AG-X350
- *2 "A" is applied to approx 90 cm³-capacity actuator. "B" is applied to approx 180 cm³-capacity actuator.
- *3 Standard lever is not attached.
- *4 It is to be used together with "A" or "B" when tending to overshoot by the use of "A" or "B".
It can be replaced with a standard compensation spring and mounted on the body.

Connection

Symbol	Air	Electric
M	Rc1/4	M20 x 1.5
N	Rc1/4	1/2NPT
2	1/4NPT	M20 x 1.5
3	1/4NPT	1/2NPT
5	G1/4	M20 x 1.5
6	G1/4	1/2NPT

Specifications

Type	Ambient temperature range	
	Temperature class T5	Temperature class T6
X350	-20°C ≤ Ta ≤ 80°C	-20°C ≤ Ta ≤ 60°C
X351	-40°C ≤ Ta ≤ 60°C	
X352	-20°C ≤ Ta ≤ 80°C	-20°C ≤ Ta ≤ 60°C
X353	-20°C ≤ Ta ≤ 60°C	

All other specifications are the same as the standard products IP8□ series. [Click here](#) for details



IP8001-X35□/8101-X35□ Series

Ex ia IIC T4/T6 Ga

How to Order

CCC certification (explosion-proof electrical product)
Intrinsically Safe Explosion-proof

IP8 001 - 0 3 4 - □ - □ - □ - □

• **Type**

001	Smart lever type
101	Smart rotary type

• **Pressure gauge**

Symbol	Pressure gauge	Applicable model	
		IP8001-X35□	IP8101-X35□
1	0.2 MPa	●	—
2	0.3 MPa	●	—
3	1.0 MPa	●	●

• **Specifications**

4	Intrinsically safe explosion-proof + output function + HART transmission function
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• **Accessories*1**

Symbol	Accessories	Applicable model	
		IP8001-X35□	IP8101-X35□
Nil	None (Standard)	●	●
C	Fork lever-type fitting M	—	●
D	Fork lever-type fitting S	—	●
E	For stroke 35 to 100 mm with lever unit*2	●	—
F	For stroke 50 to 140 mm with lever unit*2	●	—
H	With external scale plate	—	●
W	Body with LCD window	●	●

*1 If two or more accessories are required, the part numbers should be given in alphabetical order.
ex.) IP8101-034-C-X350

*2 Standard lever is not attached.

• **CCC certification classification**

Symbol	Product temperature specifications
X350	Standard (-20 to 80°C)
X351	Low temperature (-40 to 60°C)

• **CCC certification temperature classification**

Symbol	Temperature class
Nil	T4
T6	T5/T6

• **Connection**

Symbol	Air	Electric
Nil	Rc1/4	G1/2
M*3	Rc1/4	M20 x 1.5
N	Rc1/4	1/2NPT
1	1/4NPT	G1/2
2*3	1/4NPT	M20 x 1.5
3	1/4NPT	1/2NPT
4	G1/4	G1/2
5*3	G1/4	M20 x 1.5
6	G1/4	1/2NPT

*3 When the symbol is M, 2, or 5, a blue cable gland is included with the electrical connection.

Specifications

Type	Ambient temperature range		
	Temperature class T4	Temperature class T5	Temperature class T6
X350	-20°C ≤ Ta ≤ 80°C		-20°C ≤ Ta ≤ 60°C
X351	-40°C ≤ Ta ≤ 60°C		

All other specifications are the same as the standard products IP8□ series. [Click here](#) for details