

ATEX Compliant Smart Positioner (Lever type/Rotary type)

Series 52-IP8001/8101 $\text{C} \text{ } \text{E}$



II 1G Ex h ia IICT4/T5/T6 Ga
T4..T5: Ta = -20°C to 80°C T6: Ta = -20°C to 60°C

How to Order

ATEX Directive Intrinsically
Safe Explosion Proof

52-IP8001-034-□-□-□

ATEX directive compliance

| | |
|----|---|
| 52 | ATEX directive category 1 Intrinsically safe explosion-proof |
|----|---|

Type

| | |
|-----|-------------------|
| 001 | Smart lever type |
| 101 | Smart rotary type |

Pressure gauge Note

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

Specifications

| | |
|---|---|
| 4 | Intrinsically safe explosion proof (ATEX) + output function + HART communication |
|---|---|

ATEX temperature

| Symbol | ATEX temperature | Applicable model | |
|--------|------------------|------------------|--------|
| | | IP8001 | IP8101 |
| Nil | T4 | ● | ● |
| T6 | T5/T6 | ● | ● |

Connection

| Symbol | Air | Electric |
|--------------------|--------|-----------|
| Nil | Rc1/4 | G1/2 |
| M ^{Note)} | Rc1/4 | M20 x 1.5 |
| N | Rc1/4 | 1/2NPT |
| 1 | 1/4NPT | G1/2 |
| 2 ^{Note)} | 1/4NPT | M20 x 1.5 |
| 3 | 1/4NPT | 1/2NPT |
| 4 | G1/4 | G1/2 |
| 5 ^{Note)} | G1/4 | M20 x 1.5 |
| 6 | G1/4 | 1/2NPT |

Note) When the symbol is M, 2, or 5 for 52- ATEX directive items, a blue cable gland is included with the electrical connection.

Accessories ^{Note 1)}

| Symbol | Accessories | Applicable model | |
|--------|--|------------------|--------|
| | | IP8001 | IP8101 |
| Nil | None | ● | ● |
| C | With fork lever type fitting M | — | ● |
| D | With fork lever type fitting S | — | ● |
| E | For stroke 35 to 100 mm with lever unit ^{Note 2)} | ● | — |
| F | For stroke 50 to 140 mm with lever unit ^{Note 2)} | ● | — |
| H | With external scale plate ^{Note 3)} | — | ● |
| W | Body with LCD window | ● | ● |

Note 1) If two or more accessories are required, the part numbers should be given in alphabetical order.
ex. 52-IP8101-034-CH

Note 2) Standard lever is not attached.

Note 3) For side mounting, select "W" and check the control position by viewing the LCD display value.

Specifications

| Classification | Ambient temperature range | |
|------------------------|---------------------------|--------------------|
| | 52-IP8□01 | 52-IP8□01-T6 |
| II 1G Ex h ia IICT4 Ga | -20°C ≤ Ta ≤ +80°C | — |
| II 1G Ex h ia IICT5 Ga | — | -20°C ≤ Ta ≤ +80°C |
| II 1G Ex h ia IICT6 Ga | — | -20°C ≤ Ta ≤ +60°C |

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