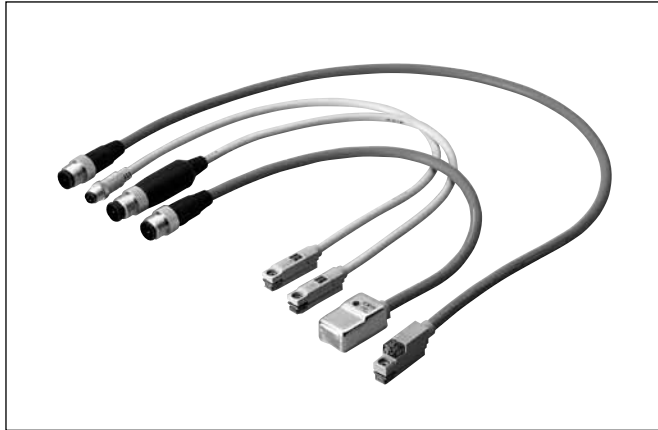


Series option

Cylinder switch with connector



Features

M8 and M12 connectors with high versatility are adopted

- Conforms to standards No. NECA4202 and IEC947-5-2
- Reduced man-hours for piping and ease of maintenance
- IP67 is adopted as degree of protection
- Protective cover for anti-spatter adherence

● For T0H

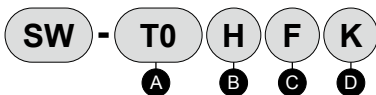
● For T2YD



How to order

● 2-wire cylinder switch

* This is a custom order product.



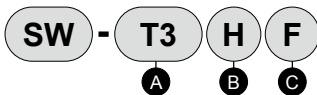
| A Model | | B Lead wire leadout direction | | C Type of connector, pin layout | | Lead wire length | | D Option *3 | |
|---------|------|-------------------------------|----------|---------------------------------|---|------------------|-------|-------------|--|
| T0 | T2YL | H | Straight | F | M8 connector 4-pin: brown (+), 3-pin: blue (-) *1 | Blank | 0.3 m | K | Protective cover for anti-spatter adherence |
| T2 | K2Y | V | L-shaped | M | M12 connector 1-pin: brown (+), 4-pin: blue (-) | | | | *3: Applies only to T0H <input type="checkbox"/> |
| T2W | F2Y | | | U | M12 connector 3, 4-pin no polarity *2 | | | | |

*1: Supports only T0, T2, T2W

*2: Does not support T2YL.

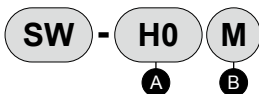
Note that the "internal voltage drop" will be higher by 1 V than the specification value listed in the catalog.

● 3-wire cylinder switch



| A Model | | B Lead wire leadout direction | | C Type of connector | | Lead wire length | |
|---------|--|-------------------------------|----------|---------------------|--|------------------|-------|
| T3 | | H | Straight | F | M8 1-pin: brown (+) 3-pin: blue (-) 4-pin: black (out) | Blank | 0.3 m |
| T3P | | V | L-shaped | | | | |
| T3W | | | | | | | |

● Cylinder switch for strong magnetic field

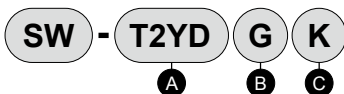


| A Model | | B Type of connector | | Lead wire length | |
|---------|--|---------------------|---------------------------------------|------------------|-------|
| H0 | | M | M12 connector 1, 4-pin no polarity *4 | Blank | 0.3 m |
| H0Y | | U | M12 connector 3, 4-pin no polarity *5 | | |
| V0 | | | | | |

*4: Supports only H0, H0Y

*5: Supports only V0 4-pin: brown (+) 3-pin: blue (-)

● Cylinder switch dedicated for AC magnetic field



| A Model | | B Type of connector | | Lead wire length | | C Option | |
|---------|--|---------------------|--|------------------|-------|----------|---|
| T2YD | | G | Spatter-proof lead wire M12 connector 1, 4-pin no polarity | Blank | 0.3 m | K | Protective cover for anti-spatter adherence |
| | | B | Spatter-proof lead wire M12 connector 3, 4-pin no polarity | | | | |
| | | U | Flame-resistant lead wire M12 connector 3, 4-pin no polarity | | | | |

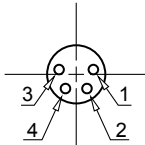
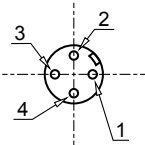
*6: Switch specifications of cylinder are the same as those of lead wire. Refer to Ending Pages 16 to 26 for details.

Pin layout of connector

| Series | Connector pin layout | | | | | |
|---|----------------------|-------------------|-----------|------|----------|-------------|
| | Code | Type of connector | 1PIN | 2PIN | 3PIN | 4PIN |
| 2-wire | F | M8 | - | - | Blue (-) | Brown (+) |
| | M | M12 | Brown (+) | - | - | Blue (-) |
| | U | | - | - | ± | ± |
| For strong magnetic fields Dedicated for AC magnetic field | M(G) | M12 | ± | - | - | ± |
| | U(B)* | | - | - | ± | ± |
| 3-wire | F | M8 | Brown (+) | - | Blue (-) | Black (OUT) |

* Only SW-V0U has polarity (4-pin brown (+), 3-pin blue (-)).

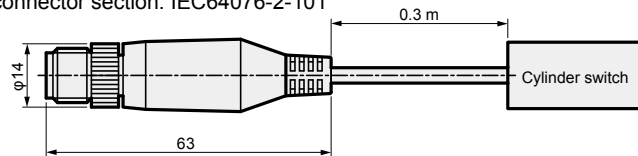
Connector specifications

| Descriptions | M8 | M12 |
|-----------------------|---|---|
| Pin array |  |  |
| Shock resistance | 294 m/s ² | |
| Degree of protection | IP67 | |
| Insulation resistance | 100 MΩ with 500 VDC megger | |
| Withstand voltage | 1 minute with 1,000 VAC (between contacts and between contact housings) leakage current 1 mA or less | |

Dimensions

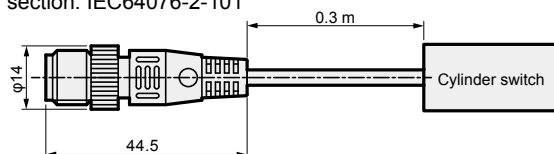
(1) M12 connector (connector for 2-wire cylinder switch, only pin layout code of "U")

Standard for outer shape of connector section: IEC64076-2-101



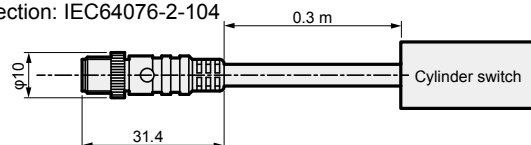
(2) M12 connector (M12 connector other than (1))

Standard for outer shape of connector section: IEC64076-2-101



(3) M8 connector (supporting all models)

Standard for outer shape of connector section: IEC64076-2-104



* For the external dimensions of the cylinder switch, refer to Ending Pages 18 to 26.