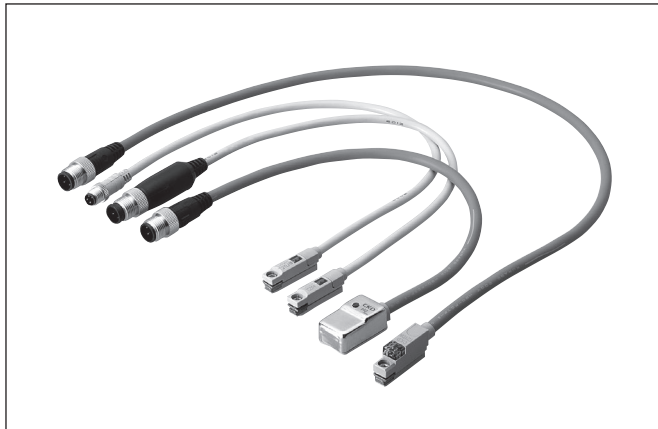


# Series option

## Cylinder switch with connector



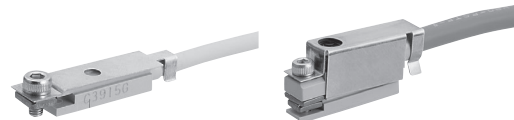
### Features

**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

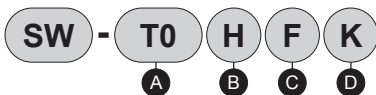
● For T2YD



### How to order

\* This is a made-to-order product.

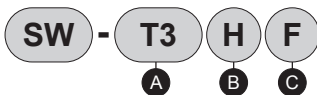
● 2-wire cylinder switch



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

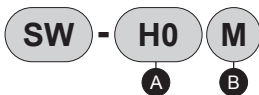
\*1: Supports only T0, T2, T2W  
 \*2: Does not support T2YL.  
 Note that the "internal voltage drop" will be higher by 1 V than the specification value listed in the catalog.

● 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 (+) 3-pin (-) 4-pin: black (out)	Blank 0.3 m
T3P	V L-shaped		
T3W			

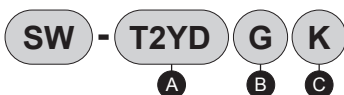
● Cylinder switch for strong magnetic field



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 (+) 3-pin (-)

● 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		

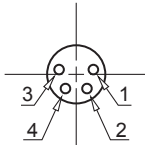
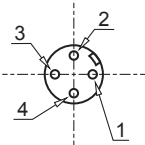
\*6: Switch specifications of cylinder are the same as those of lead wire. Refer to Ending Pages 16 to 26 for details.

## Pin layout of connector

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

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

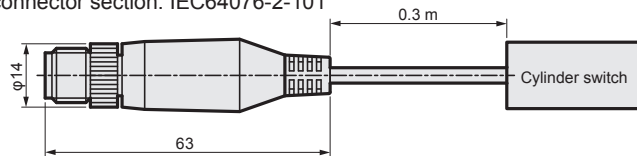
## Connector specifications

Item	M8	M12
Pin array		
Shock resistance	294 m/s <sup>2</sup>	
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

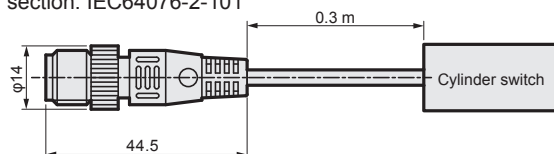
(1) M12 connector (connector for 2-wire cylinder switch, only pin layout code of "U" )

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



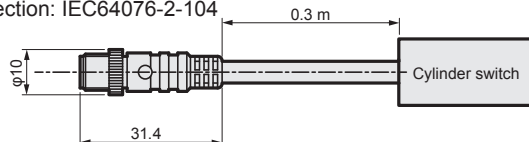
(2) M12 connector (M12 connector other than (1))

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.