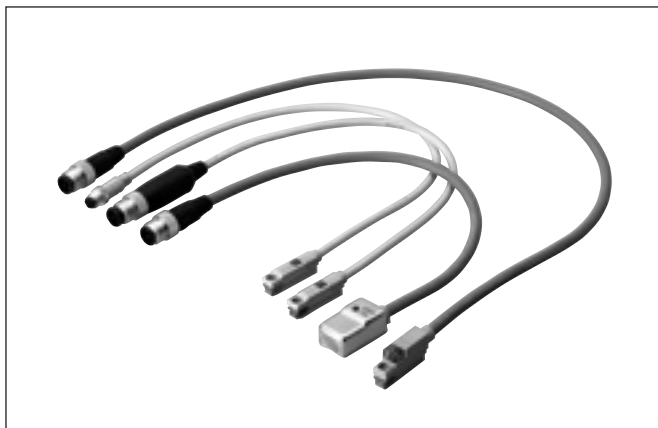


Series option

Cylinder switch with connector



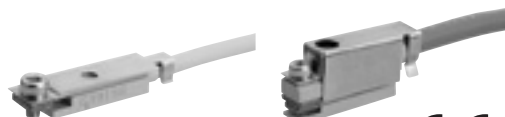
Features

M8 and M12 connectors with high versatility are adopted

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

● For T0H

● For T2YD



How to order

● 2-wire cylinder switch

* This is a made to order product.

SW - **T0** **H** **F** **K**
A **B** **C** **D**

A Model	B Lead wire leadout direction	C Connector type, PIN configuration	Lead wire length		D Option *3	
T0	H	Straight type	F	M8 connector 4PIN (+) 3-pin (-) *1	Blank	0.3m
T2	V	L-shaped type	M	M12 connector 1PIN (+) 4PIN (-)	K	Protective cover for anti-spatter adherence
T2W		U	M12 connector 3, 4PIN not polarized *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

SW - **T3** **H** **F**
A **B** **C**

A Model	B Lead wire leadout direction	C Type of connector	Lead wire length	
T3	H	Straight type	F	M8 1PIN(+) 3PIN(-) 4PIN:(OUT)
T3P	V	L-shaped type		
T3W				

● Cylinder switch for strong magnetic field

SW - **H0** **M**
A **B**

A Model	B Type of connector	Lead wire length	
H0	M	M12 connector 1, 4PIN not polarized *4	Blank
H0Y	U	M12 connector 3, 4PIN not polarized *5	0.3m
V0			

*4: Supports only H0, H0Y
 *5: V0 only 4PIN (+) 3 PIN (-)

● Cylinder switch dedicated for AC magnetic field

SW - **T2YD** **G** **K**
A **B** **C**

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	0.3m
	B	Spatter-proof lead wire M12 connector 3, 4-pin no polarity		
	U	Flame-resistant lead wire UL electric wire M12 connector 3, 4PIN not polarized		
	W	Flame-resistant lead wire UL electric wire M12 connector 1, 4PIN not polarized		

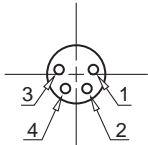
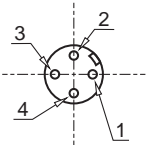
*6: Cylinder switch specifications are the same as those of lead wire. Refer to Ending Pages 16 to 26 for details.

Pin array of connector

Series	Connector pin array					
	Code	Type of connector	1PIN	2PIN	3PIN	4PIN
2-wire	F	M8	-	-	(-)	(+)
	M	M12	(+)	-	-	(-)
	U		-	-	(±)	(±)
Strong magnetic field proof Dedicated for AC magnetic field	M, G, W		(±)	-	-	(±)
	U, B*		-	-	(±)	(±)
3-wire	F	M8	(+)	-	(-)	(OUT)

* Only SW-V0U is polarized (4-pin (+), 3PIN (-)).

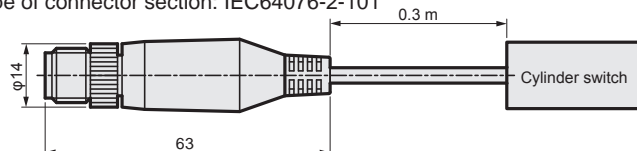
Connector specifications

Item	M8	M12
Pin array		
Shock resistance	294 m/s ²	
Degree of protection	IP67	
Insulation resistance	100 MΩ with 500 VDC megger	
Withstand voltage	1000 VAC for 1 minute (between contacts and between contact housings) leakage current 1 mA or less	

dimensions

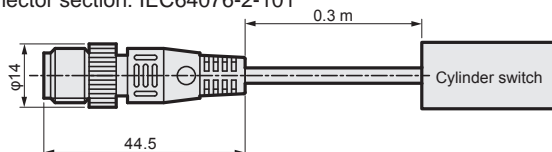
① M12 connector (connector for 2-wire cylinder switch, only pin array code of "U")

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



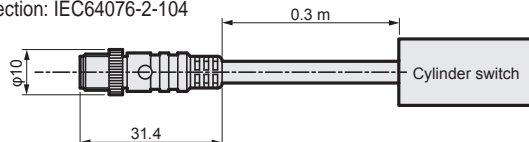
② M12 connector (M12 connector other than ①)

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.