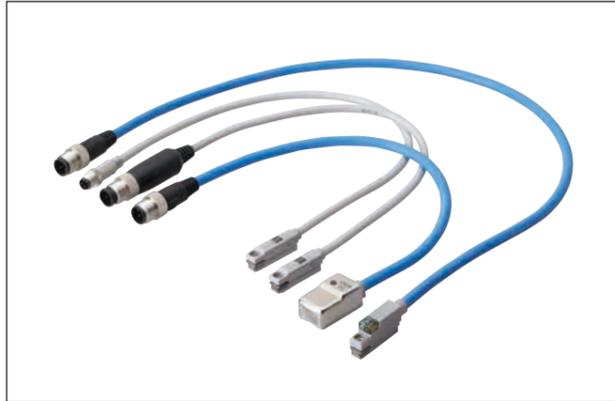


Cylinder Switch with Connector



Adopts highly versatile M8 and M12 connectors

- Compliant with Standard No. NECA4202, IEC947-5-2
- Reduction of wiring man-hours, Easy maintenance
- Protection structure is IP67
- Spatter adhesion prevention protective cover available

● For T0H

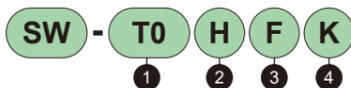
● For T2YD



Model No. Notation Method

*This is a custom order product.

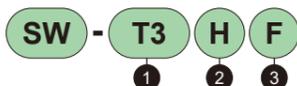
● 2-wire cylinder switch



1 Model	2 Lead Wire Exit Direction	3 3 Connector Type, PIN Arrangement	Lead wire length	Options *3
T0	H	Straight type	F	M8 connector 4PIN (+) 3PIN (-) *1
T2	V	L-shaped type	M	M12 connector 1PIN (+) 4PIN (-)
T2W			U	M12 connector 3,4PIN no polarity *2
T2YL				
K2Y				
F2Y				

*1: Compatible only with T0, T2, T2W
 *2: T2YL is not compatible. Please note that the "internal voltage drop" will be 1 V higher than the specification value described in the catalog.
 *3: Applicable only to T0H□□

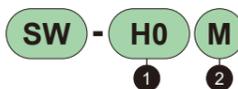
● 3-wire cylinder switch



1 Model	2 Lead Wire Exit Direction	3 Connector Type	Lead wire length
T3	H	Straight type	F
T3P	V	L-shaped type	
T3W			

M8 1PIN(+) 3PIN(-) 4PIN: (OUT)

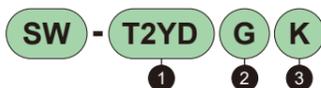
● Cylinder switch for strong magnetic fields



1 Model	2 Connector Types	Lead wire length
H0	M	M12 connector 1,4PIN no polarity *4
H0Y	U	M12 connector 3,4PIN no polarity *5
V0		

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

● Cylinder switch exclusively for AC magnetic fields



1 Model	2 Connector Types	Lead wire length	Options
T2YD	G	Spatter-resistant lead wire M12 connector 1,4PIN no polarity	K
	B	Spatter-resistant lead wire M12 connector 3,4PIN no polarity	
	U	Flame-retardant lead wire UL wire M12 connector 3,4PIN non-polar	
	W	Flame-retardant lead wire UL wire M12 connector 1,4PIN non-polar	

*6: The switch specifications for the cylinder are the same as the lead wire type. For details, please refer to P. 986 to 1000.

Connector pin assignment

Series	Connector pin assignment					
	Code	Connector type	1PIN	2PIN	3PIN	4PIN
2-wire type	F	M8	-	-	(-)	(+)
	M	M12	(+)	-	-	(-)
	U		-	-	(±)	(±)
Exclusively for strong magnetic field AC magnetic field	M, G, W	M12	(±)	-	-	(±)
	U, B *1		-	-	(±)	(±)
3-wire type	F	M8	(+)	-	(-)	(OUT)

*1: Only SW-V0U has polarity (4PIN (+), 3PIN (-)).

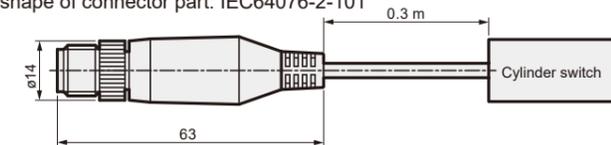
Connector specifications

Item	M8	M12
Pin assignment		
Shock resistance	294 m/s ²	
Protection structure	IP67	
Insulation resistance	100MΩ with 500 VDC megger	
Dielectric strength	1000 VAC for 1 minute (Between contacts and between contact housing) Leakage current 1 mA or less	

Outline Dimension Drawing

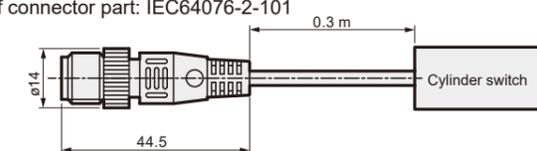
① M12 connector (Only for 2-wire cylinder switch connector type, PIN assignment symbol "U")

Standard for external shape of connector part: IEC64076-2-101



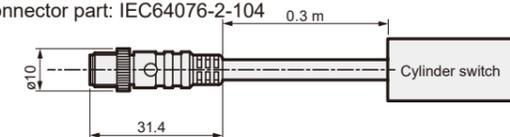
② M12 connector (M12 connectors other than ①)

Standard for external shape of connector part: IEC64076-2-101



③ M8 connector (Applicable to all models)

Standard for external shape of connector part: IEC64076-2-104



* For the external dimensions diagram of the cylinder switch, please refer to P. 986 to 1000.