



HY-100 series

Highly reliable foot switches with an aluminum casing



Specifications

Category		HY-101	HY-102N	HY-103N	HY-104	HY-105N
Appearance						
Allowable manipulation speed		0.1 - 1 m/s				
Rated voltage		10 A 250 V a.c.				
Insulation resistance		100 MΩ or higher (500 V d.c.)				
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Dielectric strength	Between terminals	1,000 V a.c. 1 minute at 50/60 Hz				
	Between each terminal and uncharged metal parts	1,500 V a.c. 1 minute at 50/60 Hz				
Contact resistance		50 mΩ or lower (initial value)				
Life	Mechanical	More than 1 million operations				
	Electrical	More than 300,000 operations				
Built-in switch		Micro switch (NV-16-3C26-C6H001)			Micro switch (HY-P701B)	
Cable		0.75 mm ² X 2 P, 1.5 m			0.75 mm ² X 3 P, 1.5 m	
Ambient temperature		-10 to +80 °C (however, there should be no condensation or icing)				
Ambient humidity		45 to 85% RH or lower				
Footing material		Plastic	Aluminum			
Storage temperature		-40 to 70 °C				

External dimensions and connection diagram

[Unit: mm]

Model	External dimensions	Connection diagram
HY-101		
HY-102N		
HY-103N		
HY-104		
HY-105N		