ONRON Industrial Automation | • Global

Oil-resistant Limit Switch

Durability

	Oil-resistant Limit Switch, Roller lever, 0.1 A at 30 VDC, Right-hand cable						
	Shape/Str	ucture	Enclosed Limit switches				
	Actuator		Roller lever				
No Image	Electrical ratings Contact form		0.1 A at 30 VDC SPDT				
Available							
	Cable spe	cifications	Fluoro-insulated oil-resistance cable, 3 cores, 2 m				
Image							
intego							
Ratings / Performance							
			As of August 8, 202				
Shape/Structure		Enclosed Limit switches					
ctuator		Roller lever 9.5 dia. x 4 Stainless sintered alloy rollers					
Contact form Load		0.1 A at 30 VDC					
		SPDT Micro load Resistive load: 0.1 A at 8 VDC/0.1 A at 14 VDC/0.1 A at 30 VDC					
							il-resistance cable, 3 cores, 2 m
				Cable specifications L		Diameter: 4 dia. Location of lead output: Right-hand	
Conductor cross section: 0.2 mm ² (AWG25)							
Insulator diameter: 1.2 dia.							
Amplent temperature		perating: 5 to 70 $^{\circ \rm C}$ (with no freezing or condensation) prage: 5 to 70 $^{\circ \rm C}$ (with no freezing or condensation)					
Ambient humidity	35 to	to 95 % (with no condensation)					
		0.4	25.4				
Permissible operating speed Permissible operating frequency		0.1 mm/s to					
		Electrical: 30 operations / 1 minute max. Mechanical: 120 operations / 1 minute max.					
Contact resistance (Initial value)		50 m Ω max. (initial value for the built-in switch whentested alone)					
Insulation resistance		100 MΩ min. (at 500 VDC)					
Dielectric strength		Between ea	ach terminal of the same polarities: 1,000 VAC 50/60 Hz 1				
Dielectric strength		min Between ea 1 min	ach terminal and non-live-metallic part: 1,500 VAC 50/60 Hz				

Mechanical: 4,000,000 operations min.

Vibration resistance	Malfunction: 10 to 55 Hz, 1.5 mm double amplitude
Shock resistance	Destruction: 1,000 m/s ² max. Malfunction: 300 m/s ² max.
Classification of protection against electric shock	Class II (Grounding not required with double) insulation

Operating Force (OF)	Standard value 3.92 N max.
Release Force (RF)	Standard value 0.78 N min.
Pre-Travel (PT)	Standard value 2 mm max.
Movement Differential (MD)	Reference value 0.3 mm
Over-Travel (OT)	Standard value 4 mm min.
Operating Position (OP)	Standard value 23.1±0.8 mm

As of August 8, 2024





