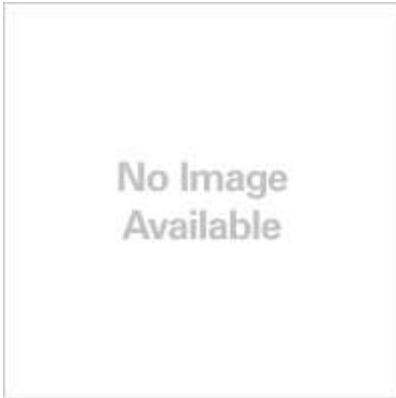


Two-circuit Limit Switch

WLG2-LD



Image

General-purpose Limit switches, High sensitivity, General load, IP67, SPST-NO/SPST-NC, Roller lever(38 R), LED

Shape/Structure	General-purpose Limit switches
Actuator	Roller lever 17.5 dia. x 7 Sintered stainless steel roller 38 R
Load	General load
Degree of protection	IP67

Ratings / Performance

As of January 8, 2018

Shape/Structure	General-purpose Limit switches
Service life	General type
Actuator	Roller lever 17.5 dia. x 7 Sintered stainless steel roller 38 R
Frequency	50/60 Hz
Contact form	SPST-NO/SPST-NC
Load	General load
Ratings (AC): Non-Inductive load	Rated voltage: 125 VAC / Resistive load: 5 A(NC) 5 A(NO) Rated voltage: 250 VAC / Resistive load: 5 A(NC) 5 A(NO)
Ratings (DC): Non-Inductive load	Rated voltage: 125 VDC / Resistive load: 0.4 A(NC) 0.4 A(NO) Rated voltage: 250 VDC / Resistive load: 0.2 A(NC) 0.2 A(NO)
Inrush current	NC: 15 A NO: 10 A
Protective circuit	Classification of protection against electric shock: Class I Short-circuit protective device: 10 A fuse type gG or gI (IEC269)
Indicator	LED (Possible to change between Light when operating and Light when not operating.) Voltage: 115 VAC/VDC, 10 to 24 VAC/VDC Leakage current: Approx. 0.5 mA, Approx. 0.4 mA
Conduit size	G1/2
Earth terminal	Without ground terminal
Ambient temperature	Operating: -10 to 80 °C (no icing)

Ambient humidity	Operating: 35 to 95% RH (no condensation)
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Permissible operating frequency (Mechanically)	120 operations / 1 minute
Permissible operating frequency (Electrically)	30 operations / 1 minute
Contact resistance (Initial value)	25 mΩ max.
Insulation resistance	100 MΩ min. (at 500 VDC)
Dielectric strength	Between each terminal of the same polarities: 600 VAC 50/60 Hz for 1 min Between each terminal and ground: 1,500 VAC 50/60 Hz for 1 min Between each terminal and non-live-metallic part: 1,500 VAC 50/60 Hz for 1 min
Durability (Mechanically)	10,000,000 operations min. (Temperature, Humidity conditions: 5 to 35 °C, 40 to 70% RH)
Durability (Electrically)	500,000 operations min. (3 A at 250 VAC) (Temperature, Humidity conditions: 5 to 35 °C, 40 to 70% RH)
Vibration resistance (Malfunction)	10 to 55 Hz, 1.5-mm double amplitude
Shock resistance (Destruction)	1000 m/s ² min.
Shock resistance (Malfunction)	300 m/s ² min.
Pollution degree	3 (EN60947-5-1)
Degree of protection	IP67

Operating Force (OF)	Standard value 9.81 N max.
Release Force (RF)	Standard value 0.98 N min.
Pre-Travel (PT)	Standard value 10 +2/-1 °
Over-Travel (OT)	Standard value 65 ° min.
Movement Differential (MD)	Standard value 7 ° max.

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