

Description

The 22 mm IEC style metal safety limit switches have been developed to provide a small metal case with a choice of actuator heads. All units are supplied with an integral 2 m cable. For safety applications it is important that upon actuation, the guard or other moving objects should not pass completely over the switch and allow the plunger or lever to return to its original position.

Features

- Rugged die cast enclosure
- Positive operation, forced disconnection of contacts (direct opening action)
- · Snap-acting contact actuation
- Contacts 1 N.C. + 1 N.O.
- Pre-wired 2 m cable, bottom or side exit

Specifications

Safety Ratings						
Standards	EN 954-1, ISO 13849-1, IEC/EN 60204-1, NFPA 79, EN 1088, ISO 14119, IEC/EN 60947-5-1, ANSI B11.19, AS 4024.1					
Safety Classification	Cat. 1 Device per EN 954-1 Dual channel limit switch suitable for Cat. 3 or 4 systems when ganged together					
Certifications	UL Recognized, TÜV and CE Marked for all applicable directives					
Outputs						
Safety Contacts *	1 N.C. snap acting					
Auxiliary Contacts	1 N.O. snap acting					
Thermal Current	10 A					
Rated Insulation Voltage	300V AC					
Contact Dating						

Contact Rating

Vibration

Connection Type

Shock

Maximum AC Contact Rating Per Pole							
NEMA Rating	Max. Voltage	Amperes		Continuous	Volt Amperes		
		Make	Break	Carrying Current (Amp.)	Make	Break	
AC15/B300	120	30	3.0	- 5	3600	360	
AC15/B300	240	15	1.5	75	3000		

Maximum DC Contact Rating Per Pole							
DC13/Q300	240	0.27	0.27	2.5	69	9	69
Operating Chara	cteristics						
Actuation Speed,	Мах.	250 mm/s					
Actuation Speed,	Min.	100 mm/min					
Actuation Frequer	ncy, Max.	6000 operations per hr					
Mechanical Life		1 x 10 ⁷					
Environmental							
Enclosure Type Rating NEMA 1, IP66/67							
Operating Temper [C (F)]	ature	270 ° (35.6158 °)					
Pollution Degree		3					
Physical Charact	eristics						
Housing Material		Die-cast alloy					
Actuator Material	•	Various polymers and metals					
Mounting 2 x M14, any position							

Color Red body/black head

The safety contacts are described as normally closed (N.C.) i.e., with the guard closed, actuator in place (where relevant) and the machine able to be started.

2 m (6.5 ft) cable

IEC 68-2-6 (10...55 Hz, 0.35 mm amplitude)

IEC 68-2-7 (30 Gn 3 pulses per axis)

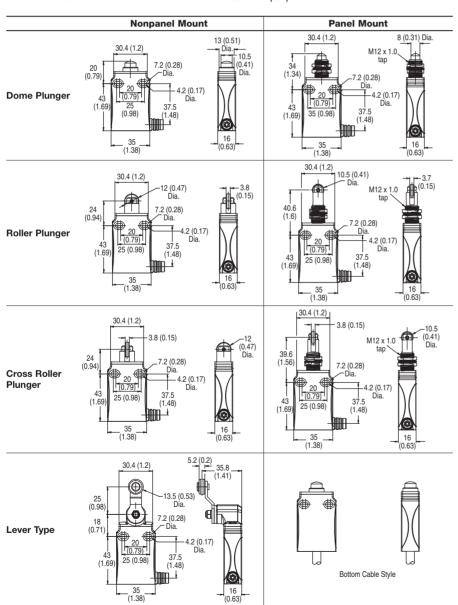


Product Selection

	Contact		Typical		Contact Opening Characteristics	Cat. No.		
Operator Type	Safety	Auxiliary	Туре	Force/Torque to Operate	Panel Mount	☐ Open ☐ Closed ☐ Positive Opening Point	Bottom Cable Style	Side Cable Style
Roller Plunger	1 N.C.	1 N.O.	Snap Acting	10 (2.25)	No	0 mm 2 mm 5.5 mm	440P-ARPS11C	440P-ARPS11CS
					Yes		440P-ARP1S11C	440P-ARP1S11CS
Dome Plunger	1 N.C.	1 N.O.	Snap Acting	10 (2.25)	No		440P-ADPS11C	440P-ADPS11CS
					Yes		440P-ADP1S11C	440P-ADP1S11CS
Cross Roller	1 N.C.	1 N.O.	Coop Asting	10 (2.25)	No	0.6 mm	440P-ACRS11C	440P-ACRS11CS
Plunger	I N.C.	I N.O.	Snap Acting		Yes		440P-ACR1S11C	440P-ACR1S11CS
Lever	1 N.C.	1 N.O.	Snap Acting	0.7 N•m (0.62 lb•in)	_	85° 75° 35° 0° 35° 75° 85° 15° 15°	440P-ASLS11C	440P-ASLS11CS

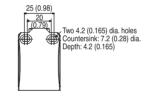
Approximate Dimensions [mm (in.)]

Dimensions are not intended to be used for installation purposes.



- Side cable style shows strain relief only. Units include a 2 m integral cable.
- Bottom cable style units have same dimensions as side cable style.
- Panel mount clearance hole = 13 mm (0.51 in.)

Countersink Hole



Typical Wiring Diagrams

