

EVN2000 Series Limit Switch



Features

- Innovative wiring system
- Integrated cable gland
- EN 50047
- Designed to meet switch requirement within EN 81-1
- Snap action basic switch with 4 mm air gap
- IP 66/67 Enclosure rating, EN 60529. NEMA 1, 12, 13
- Positive opening operation of Normally Closed contacts conforming to IEC/EN 60947-5-1 annex K
- Double insulated switch element
- Extremely compact plastic housing
- High switching current capability

Description

The EVN2000 series limit switch is an innovative product which has been developed to address a need highlighted by Original Equipment Manufacturers (OEM), "Ease of Wiring". The new design eliminates the need to gain access to the inside of the housing, which in turn makes a housing cover, cover screws and gasket obsolete.



WARNING

MISUSE OF DOCUMENTATION

- The information presented in this product sheet (or catalogue) is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

Failure to comply with these instructions could result in death or serious injury.

Benefits

- Reduced wiring time, up to 50 % savings can be achieved
- Provides a truly global product by removing the need for conduit or cable gland hardware
- Interchangeable with most major competitors
- Meets switch requirements within "Safety rules for the construction and installation of lifts - electric lifts"
- 1 Normally Closed, 1 Normally Open circuit conforming to EN 81-1
- Suitable for wet applications
- Guaranteed opening of the normally closed circuit in the event of contacts welding
- No earth connection required, internal or external
- Suitable where space is at a premium

Typical applications

- Material handling
- Elevators and moving stairs
- Scissor/platform lifts
- Food and beverage
- Manufacturing



WARNING

PERSONAL INJURY

DO NOT USE these products as safety or emergency stop devices, or in any other application where failure of the product could result in personal injury.

Failure to comply with these instructions could result in death or serious injury.

EVN2000 Series Limit Switch

Technical information

Specifications

Mechanical life:	up to 10 million operations
Degree of protection:	IP 66/67, EN 60529 NEMA/UL type 1, 12, 13
Operating temperature:	-25 °C to 85 °C (-13 °F to 185 °F)
Storage temperature:	-40 °C to 85 °C (-40 °F to 185 °F)
Standards/approvals:	IEC/EN 60947-5-1 EN 50047 UL 508 UL 746C EN 60529 EN 81-1
Electrical rating:	AC15, A300 DC13, Q300
Rated insulation voltage:	320 V
Rated impulse withstand:	2500 V
Thermal current:	10 A
Short circuit withstand:	SCPD 10 A quick acting fuse (IEC 269.1 gG-type)
Contact material:	Silver
Circuit type:	1NC/1NO Single pole, single throw, double break Contact type Zb
Cable/enclosure:	0,75 mm ² to 1,5 mm ² (16-18 AWG)
Shock:	IEC 68-2-27 (BS 2011, Part 2.1 Ea)
Vibration:	IEC 68-2-6 (BS 2011, Part 2.1 Fc)
Bump:	IEC 68-2-29 (BS 2011, Part 2 LeB)
Damp heat steady state:	IEC 68-2-3 (BS 2011, Part 2.1 Ca)

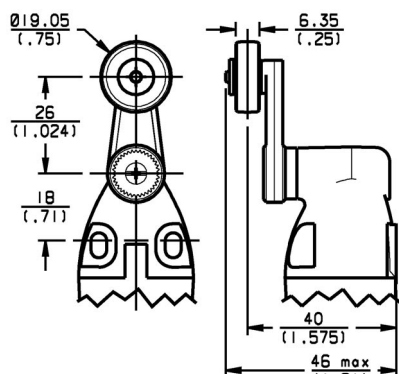
Order guide

Description	Catalogue Listing
Side Rotary Lever	EVN2000A
Top Pin Plunger	EVN2000B
Top Roller Plunger, Parallel	EVN2000C
Top Roller Plunger, Perpendicular	EVN2000D

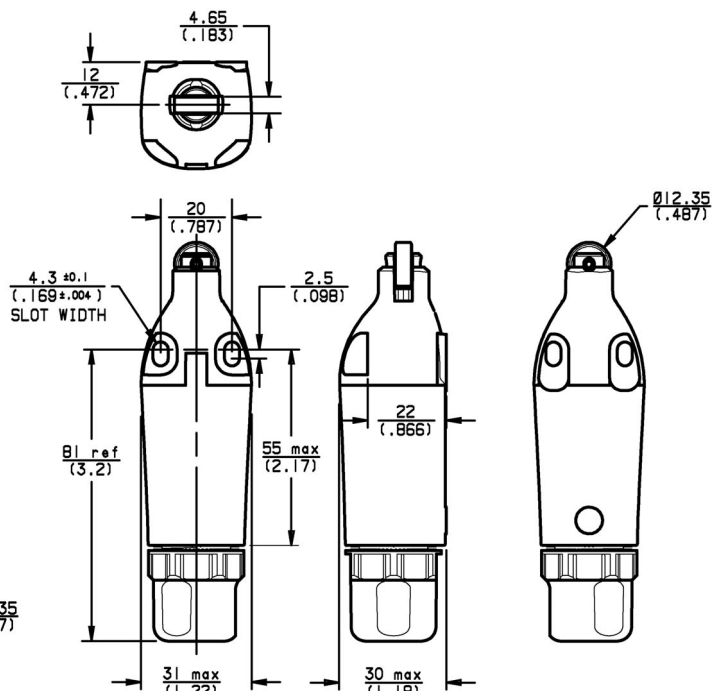
EVN2000 Series Limit Switch

Mounting drawings in mm and (inches)

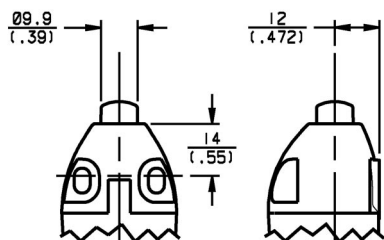
EVN2000A



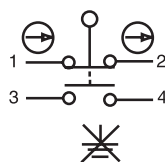
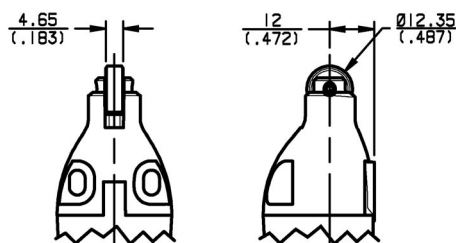
EVN2000C



EVN2000B



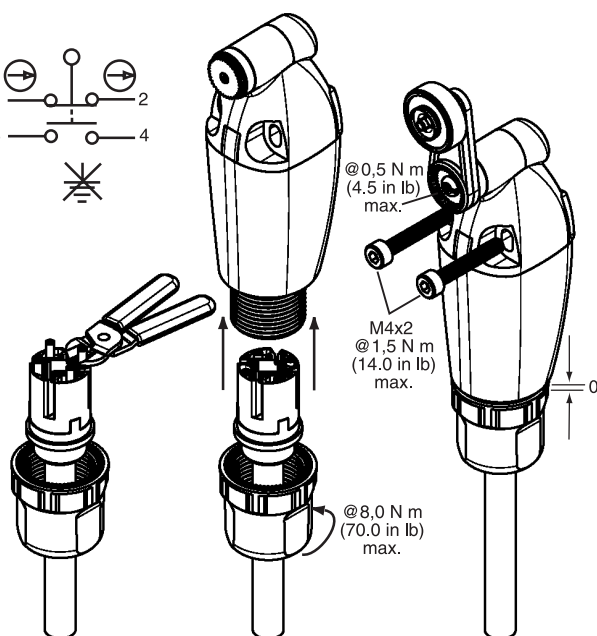
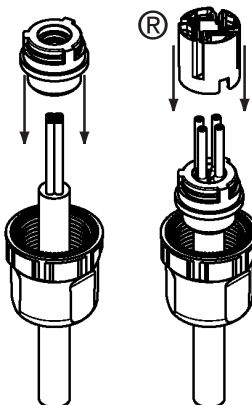
EVN2000D



0.75-1.50 mm² x 4
(16-18 AWG x 4)

15.00
(0.59)

$\varnothing 6.00-9.00$
(0.24-0.35)



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