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Product data sheet
Characteristics

XEP4E1FDA454
miniature limit switch - roller lever - cable length 0.5 m



Main

Range of product	OsiSense XC
Series name	Special format
Product or component type	Microswitch
Device short name	XEP4
Detector design	Subminiature, DIN 41635 B format, sealed
Head type	Plunger head
Lever material	Stainless steel Glass reinforced polyamide roller
Lever fixing position	A
Movement of operating head	Linear
Type of operator	Roller lever
Type of approach	Lateral approach
Electrical connection	Pre-cabled
Cable length	0.5 m
Cable composition	3 x 0.5 mm²
Contacts type and composition	1 C/O standard
Contact operation	Snap action
Contacts material	AgCdO

Complementary

Body material	Polyester
Maximum force for tripping	0.83 N lever fixing position in A 1.67 N lever fixing position in B
Minimum release force	0.27 N lever fixing position in A 0.53 N lever fixing position in B
Maximum permissible end of travel force	3.33 N lever fixing position in A 6.67 N lever fixing position in B
Tripping point	14.5 Mm lever fixing position in B 15.5 mm lever fixing position in A
Maximum differential travel	0.2 Mm lever fixing position in B 0.39 mm lever fixing position in A
Minimum over travel	0.9 Mm lever fixing position in B 1.8 mm lever fixing position in A
Inter contact distance	0.4 mm
Contact code designation	B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A
[Ith] conventional free air thermal current	7.5 A at 250 V 50/60 Hz
Mechanical durability	2000000 cycles
Width	7 mm
Height	15 mm
Depth	20 mm
Net weight	14.9 g
Terminals description ISO n°1	(1-2-4)OC

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

IP degree of protection	IP67
Ambient air temperature for operation	-40…105 °C
Marking	CE
Standards	UL 1054 EN 60947-5-1 CURus IEC 60947-5-1 EN 61058

Packing Units

Package 1 Weight	0.017 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Contractual warranty

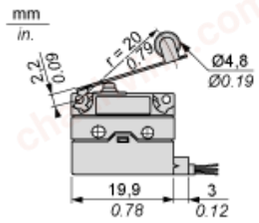
Warranty	18 months

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Product data sheet
Dimensions Drawings

XEP4E1FDA454

Dimensions



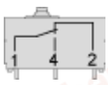
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Product data sheet
Connections and Schema

XEP4E1FDA454

Wiring Diagram

Single-pole CO Snap Action



1 : Black
2 : Grey
4 : Blue

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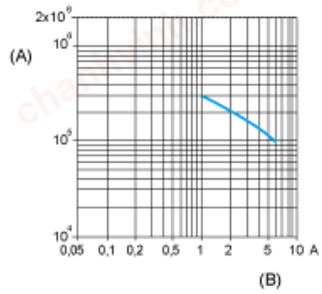
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Product data sheet
Technical Description

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Operating Curves

250 V AC : Resistive circuit



(A) Number of cycles
(B) Current