

# Product data sheet

Specifications



## Limit switch, 9007, switch

9007MS02S0084

### Main

Range of product	9007
Series name	Miniature potted
Product or component type	Limit switch
Device short name	9007MS/ML
Sensor design	Miniature
Body type	Fixed
Head type	Plunger head
Material	Metal
Body material	Cast zinc
Number of poles	1

### Complementary

Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Spring return parallel roller plunger steel -
Type of approach	Lateral approach, 2 directions
Switch actuation	By 30° cam
Contacts type and composition	NC-NO
Switch function	SPDT
Contact form	Form C
Contacts material	Silver contacts
Contact operation	Snap action
Positive opening	Without
Electrical connection	Male connector M12 micro AC type 1 keyway 4 pins bottom
Terminals description ISO n°1	(1-3)NO (1-2)NC (4)gnd
Maximum force for tripping	80 ozf
[Ie] rated operational current	5 A at 28 V DC 3 A at 120 V AC 3 A at 240 V AC

<b>[Ithe] conventional enclosed thermal current</b>	3 A
<b>[Ui] rated insulation voltage</b>	300 V (pollution degree 3) conforming to UL 508 300 V (pollution degree 3) conforming to CSA C22.2 No 14
<b>Electrical durability</b>	100000 cycles
<b>Mechanical durability</b>	10000000 cycles
<b>Marking</b>	CE UL CSA
<b>Sale per indivisible quantity</b>	1
<b>Height</b>	44.45 mm
<b>Width</b>	39.62 mm
<b>Depth</b>	15.75 mm
<b>Net weight</b>	0.54 kg

## Environment

<b>Shock resistance</b>	35 gn for 9 ms conforming to IEC 60068-2-27
<b>Vibration resistance</b>	10 gn (f= 75...1200 Hz) conforming to IEC 60068-2-6
<b>NEMA degree of protection</b>	NEMA 1 conforming to Nema type 250 NEMA 2 conforming to Nema type 250 NEMA 4 conforming to Nema type 250 NEMA 6 conforming to Nema type 250 NEMA 6P conforming to Nema type 250
<b>IP degree of protection</b>	IP67 conforming to IEC 60529
<b>Ambient air temperature for operation</b>	-40...104 °C
<b>Ambient air temperature for storage</b>	-40...104 °C
<b>Protective treatment</b>	Epoxy powder coat
<b>Product certifications</b>	UL CSA CE
<b>Standards</b>	E78403 LR 25490 Class 32 11 03

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.1 cm
<b>Package 1 Width</b>	5.8 cm
<b>Package 1 Length</b>	9.4 cm
<b>Package 1 Weight</b>	163.3 g

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>

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**California proposition 65**

WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**Contractual warranty**

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**Warranty** 18 months

**Recommended replacement(s)**