

Product data sheet

9007CR61D

Limit switch 9007CR, top roller plunger, 2NC+2NO, 600 VAC, 10 A, option version

Main

Range of product	9007
Series name	Heavy duty
Product or component type	Limit switch
Device short name	9007CR
Product specific application	Hazardous location box
ETIM classification	ETIM 9 - EC000030 - End switch
Body type	Fixed
Head type	Plunger head
Material	Metal
Body material	Aluminium
Head material	Zinc
Fixing mode	By the body
Movement of operating head	Linear
Type of operator	Steel spring return roller plunger (-)
Switch actuation	By 30° cam
Type of approach	Lateral approach, 2 directions
Number of poles	2
Level or class	Class II Division 1 Groups E/F/G Class I Division 1 Groups B/C/D
Indivisible sale quantity	1
Sale per indivisible quantity	1

Complementary

Mechanical durability	10000000 cycles
Minimum force for tripping	3 lbf
Cable entry	1 entry for 1/2" - 14 NPT conforming to ANSI B1.20.1
Repeat accuracy	+/- 0.001 in linear travel of cam
Electrical durability	1000000 cycles
Electrical connection	Screw-clamp terminals (AWG 22...AWG 12), 1-2
Positive opening	Without

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.
Neither TMSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Contact form	Form ZZ
Contacts type and composition	2(NC-NO)
Contacts material	Silver contacts
Terminals description ISO n°1	(1-2)NC (3-4)NO (5-6)NC (7-8)NO
Contact operation	Snap action
[Uimp] rated impulse withstand voltage	2.5 kV AC 1 min conforming to CE, 2.2 kV AC 1 min conforming to UL, 2.64 kV AC 1 s conforming to CSA
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to UL 508 for contact block, 600 V (pollution degree 3) conforming to CSA C22.2 No 14 for contact block
[Ie] rated operational current	1.2 A at 600 V AC, A600 conforming to NEMA, 1.5 A at 480 V AC, A600 conforming to NEMA, 3 A at 240 V AC, A600 conforming to NEMA, 6 A at 120 V AC, A600 conforming to NEMA, 0.11 A at 250 V DC, R300 conforming to NEMA, 0.55 A at 125 V DC, R300 conforming to NEMA
[Ithe] conventional enclosed thermal current	10 A
Electrical shock protection class	Class 0 conforming to IEC 61140
Short-circuit protection	10 A by CC fuse, protection type: non-time delay
Local signalling	without
Switch function	DPDT-DB
Function available	Not applicable
Width	2.72 in
Depth	2.08 in
Product weight	2.5 livre

Environment

Environmental characteristic	Standard environment
IP degree of protection	IP67 conforming to IEC 60529
NEMA degree of protection	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, NEMA 12 conforming to Nema type 250, NEMA 13 conforming to Nema type 250
Ambient air temperature for operation	-29…85 °C
Ambient air temperature for storage	-29…85 °C
Shock resistance	60 gn for 9 ms conforming to IEC 60068-2-27
Vibration resistance	25 gn (f= 10-150 Hz) conforming to IEC 60068-2-6
Protective treatment	Epoxy powder coat

Offer Sustainability

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

Warranty

Warranty	18 months

Packing Units

Country of origin	MX (Mexico)
Unit type of package 1	PCE
Number of units in package 1	1
New Package 1 GTIN-13	3666916098516
Package 1 height	7.112 cm
Package 1 width	8.89 cm
Package 1 length	19.304 cm
Package 1 weight	1.02 kg
New Package 2 GTIN 14	13666916098513
New Package 3 GTIN 14	23666916098510