

Product Datasheet

Characteristic

9007CR53B2

LIMIT SWITCH 600V 10AMP C +OPTIONS



Main

range of product	9007
series name	heavy duty
product or component type	limit switch
product specific application	hazardous location box
device short name	9007CR
body type	fixed
head type	rotary head
material	metal
fixing mode	by the body
movement of operating head	rotary
type of operator	zinc spring return without operating lever (-) 9007C lever
switch actuation	from left and right CW and CCW
type of approach	1 or 2 programmable direction lateral approach
electrical connection	(AWG 22...AWG 12) screw-clamp terminals, 1...2
cable entry	1 entry for 1/2" - 14 NPT conforming to ANSI B1.20.1
number of poles	1
contacts type and composition	NC-NO
contacts operation	snap action
positive opening	without
level or class	Class I Division 1 Groups B/C/D Class II Division 1 Groups E/F/G
sale per indivisible quantity	1

Complementary

body material	aluminium
head material	zinc
function available	-
switch function	SPDT-DB
contact form	Form Z
contacts material	silver contacts

terminals description ISO n°1	(1-2)NC (3-4)NO
minimum torque for tripping	4 lbf.in
maximum actuation speed	90 ft/min with 45° cam angle, levers only 130 ft/min with 30° cam angle, levers only
tripping angle	10 °
maximum displacement angle	90 °
repeat accuracy	+/- 0.002 in linear travel of cam
[Ie] rated operational current	1.2 Aat 600 V AC, A600 conforming to NEMA 1.5 Aat 480 V AC, A600 conforming to NEMA 3 Aat 240 V AC, A600 conforming to NEMA 6 Aat 120 V AC, A600 conforming to NEMA 0.1 Aat 600 V DC, Q600 conforming to NEMA 0.27 Aat 250 V AC, Q600 conforming to NEMA 0.55 Aat 125 V DC, Q600 conforming to NEMA
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	600 V degree of pollution 3 conforming to UL 508for contact block 600 V degree of pollution 3 conforming to CSA C22.2 No 14for contact block
[Uimp] rated impulse withstand voltage	2.5 kV ACfor 1 min conforming to CE 2.2 kV ACfor 1 min conforming to UL 2.64 kV ACfor 1 s conforming to CSA
short circuit protection	10 A by CC fuse, protection type: non-time delay
electrical durability	1000000 cycles
local signalling	without
mechanical durability	10000000 cycles
width	2.72 in
height	6.1 in
depth	2.79 in
product weight	2.5 lb(US)

Environment

shock resistance	60 gn (duration = 9 ms) conforming to IEC 60068-2-27
vibration resistance	25 gn (f = 10...150 Hz) conforming to IEC 60068-2-6
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
IP degree of protection	IP67 conforming to IEC 60529
class of protection against electric shock	class 0 conforming to IEC 61140
ambient air temperature for operation	-20...185 °Ffor hazardous location
ambient air temperature for storage	-20...185 °F
environmental characteristic	standard environment
protective treatment	epoxy powder coat

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1150 -
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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