Product data sheet Characteristics

9007AW32

Limit switch, 9007, 600 VAC 15amp aw +options



Main Range of product 9007 Series name Heavy duty Product or component type Device short name 9007AW Product specific application Body type Fixed

Comple	ement	tary
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Operator profile Plunger head Material Metal Body material Cast zinc Fixing mode By the body Movement of operating head Linear Type of operator Spring return roller plunger steel with micrometer adjustment Switch actuation By 30° cam Type of approach Traverse approach, 2 directions Electrical connection 12 cables for screw-clamp terminals (AWG 22AWG 12) Cable entry 1 entry for 1/2" - 14 NPT conforming to ANSI B1.20.1 Number of poles 1 Contacts type and composition NC-NC, switch function: SPDT-DB Contact form Form Z Contact form Snap action Number of steps 1 Contacts anaterial Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +'-0.001 in [le] rated operational current 5 A at 800 V AC, A800 conforming to NEMA rating designation 10 A at 240 V AC, A6000 conforming to NEMA rating designation 0.02 A at 230 V AC, A6000 conforming to NEMA rating desi	Mounting mode	Surface mounting standard box
Body material Cast zinc	Operator profile	Plunger head
Operator material Cast zinc Fixing mode By the body Movement of operating head Linear Type of operator Spring return roller plunger steel with micrometer adjustment Switch actuation By 30° cam Type of approach Traverse approach, 2 directions Electrical connection 12 cables for screw-clamp terminals (AWG 22AWG 12) Cable entry 1 entry for 1/2° - 14 NPT conforming to ANSI B1.20.1 Number of poles 1 Contacts type and composition NC-NC, switch function: SPDT-DB Contact form Form Z Contact operation Snap action Number of steps 1 Contacts separing Without Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy 4/-0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation of A at 480 V AC, A600 conforming to NEMA rating designation of A at 480 V AC, A600 conforming to NEMA rating designation of A at 420 V AC, A600 conforming to NEMA rating designation of A at 420 V AC, A600 conforming to NEMA rating designation of A at 420 V AC, A600 co	Material	Metal
Fixing mode By the body Movement of operating head Linear Type of operator Spring return roller plunger steel with micrometer adjustment Switch actuation By 30° cam Type of approach Traverse approach, 2 directions Electrical connection 12 cables for screw-clamp terminals (AWG 22AWG 12) 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, switch function: SPDT-DB Contact form Form Z Contact operation Snap action Number of steps 1 Contacts material Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy 4/- 0.001 in [1e] rated operational current 5 A at 1800 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC U.2 A at 250 V DC 0.5 A at 125 V DC Width 56.39 mm Height 93.47 mm Depth 36.58 mm	Body material	Cast zinc
Movement of operating head Linear Type of operator Spring return roller plunger steel with micrometer adjustment Switch actuation By 30° cam Type of approach Traverse approach, 2 directions Electrical connection 12 cables for screw-clamp terminals (AWG 22AWG 12) 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, switch function: SPDT-DB Contact form Form Z Contact operation Snap action Number of steps 1 Contacts material Silver contacts Positive opening Without Terminals description ISO n°1 (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in 5 A at 600 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 250 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC 0.	Operator material	Cast zinc
Type of operator Spring return roller plunger steel with micrometer adjustment Switch actuation By 30° cam Traverse approach, 2 directions Electrical connection 12 cables for screw-clamp terminals (AWG 22AWG 12) 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, switch function: SPDT-DB Contact form Form Z Contact operation Number of steps 1 Contact material Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 Ibf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 280 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 16 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 250 V DC 15 A at 125 V DC [Ithe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V conforming to CSA C22.2 No 14 for contact block 600 V conforming to CSA C22.2 No 14 for contact block 600 V conforming to CSA C22.2 No 14 for contact block 600 V conforming to CSA C22.2 No 14 for contact block	Fixing mode	By the body
Switch actuation By 30° cam Type of approach Traverse approach, 2 directions Electrical connection 12 cables for screw-clamp terminals (AWG 22AWG 12) 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, switch function: SPDT-DB Contact type and composition Snap action Number of steps 1 Contacts material Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 0.2 A at 600 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [Ithe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Depth 36.58 mm	Movement of operating head	Linear
Type of approach Traverse approach, 2 directions Electrical connection 12 cables for screw-clamp terminals (AWG 22AWG 12) 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, switch function: SPDT-DB Contact form Form Z Contact operation Namper of steps 1 Contacts material Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 250 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [ithe] conventional enclosed thermal current 5 Goo V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Depth 36.58 mm	Type of operator	Spring return roller plunger steel with micrometer adjustment
Electrical connection 12 cables for screw-clamp terminals (AWG 22AWG 12) 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, switch function: SPDT-DB Contact form Form Z Contact operation Number of steps 1 Contacts material Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in 5 A at 600 V AC, A600 conforming to NEMA rating designation on 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating	Switch actuation	By 30° cam
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, switch function: SPDT-DB Contact form Form Z Contact operation Snap action Number of steps 1 Contacts material Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 10 A at 220 V AC, A600 conforming to NEMA rating designation 10 A at 220 V AC, A600 conforming to NEMA rating designation 10 A at 220 V AC, A600 conforming to NEMA rating designation 10 A at 220 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 10 A at 220 V AC, A600 conforming to NEMA rating designation 15 A at 125 V DC [Ithe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Depth 36.58 mm	Type of approach	Traverse approach, 2 directions
Number of poles 1 Contacts type and composition NC-NO, switch function: SPDT-DB Contact form Form Z Contact operation Number of steps 1 Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [Ithe] conventional enclosed thermal current [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Depth 36.58 mm	Electrical connection	12 cables for screw-clamp terminals (AWG 22AWG 12)
Contacts type and composition NC-NO, switch function: SPDT-DB Contact form Form Z Contact operation Snap action Number of steps 1 Contacts material Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 220 V AC, A600 conforming to NEMA rating designation 10 A at 220 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 10 A at 250 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [Ithe] conventional enclosed thermal current [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Depth 36.58 mm	Cable entry	1 entry for 1/2" - 14 NPT conforming to ANSI B1.20.1
Contact form Form Z Contact operation Snap action Number of steps 1 Contacts material Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC 0.2 A at 250 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [Ithe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth 36.58 mm	Number of poles	1
Contact operation Number of steps 1 Contacts material Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 125 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [Ithe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth	Contacts type and composition	NC-NO, switch function: SPDT-DB
Number of steps 1 Contacts material Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 224 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [Ithe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth 36.58 mm	Contact form	Form Z
Contacts material Silver contacts Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [Ithe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth 36.58 mm	Contact operation	Snap action
Positive opening Without Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 11 A at 120 V AC, A600 conforming to NEMA rating designation 12 A at 120 V AC, A600 conforming to NEMA rating designation 13 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 15 A at 125 V DC [Ithe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth	Number of steps	1
Terminals description ISO n°1 (3-4)NO (1-2)NC Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [lthe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth	Contacts material	Silver contacts
Minimum force for tripping 3 lbf Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [lthe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth 36.58 mm	Positive opening	Without
Repeat accuracy +/- 0.001 in [le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [lthe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth 36.58 mm	Terminals description ISO n°1	
[le] rated operational current 5 A at 600 V AC, A600 conforming to NEMA rating designation 6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [Ithe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth 36.58 mm	Minimum force for tripping	3 lbf
6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC 0.5 A at 125 V DC [Ithe] conventional enclosed thermal current 15 A [Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth 36.58 mm	Repeat accuracy	+/- 0.001 in
[Ui] rated insulation voltage 600 V (pollution degree 3) conforming to UL 508 for contact block 600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth 36.58 mm	[le] rated operational current	6 A at 480 V AC, A600 conforming to NEMA rating designation 10 A at 240 V AC, A600 conforming to NEMA rating designation 15 A at 120 V AC, A600 conforming to NEMA rating designation 0.02 A at 600 V DC 0.2 A at 250 V DC
600 V conforming to CSA C22.2 No 14 for contact block Width 56.39 mm Height 93.47 mm Depth 36.58 mm	[Ithe] conventional enclosed thermal current	15 A
Height 93.47 mm Depth 36.58 mm	[Ui] rated insulation voltage	
Depth 36.58 mm	Width	56.39 mm
	Height	93.47 mm
Net weight 0.57 kg	Depth	36.58 mm
	Net weight	0.57 kg

Environment

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 12 conforming to Nema type 250 NEMA 13 conforming to Nema type 250
IP degree of protection	IP65 conforming to IEC 60529
Ambient air temperature for operation	0185 °F
Ambient air temperature for storage	0185 °F
Protective treatment	Epoxy powder coat

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	34.71 cm	
Package 1 Width	13.665 cm	
Package 1 Length	88.162 cm	
Package 1 Weight	480.808 g	

Offer Sustainability

Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
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
For all Reach Rohs enquiries contact us at	sustainability@tesensors.com

Contractual warranty

Warranty	18 months

