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COMMERCIAL ITEM DESCRIPTION

CIRCUIT BREAKER, AUTOMOTIVE TYPE, SEALED

The General Services Administration has authorized the use of this commercial item description (CID).

Abstract. This CID covers the general requirements for a sealed automotive type circuit breaker. Circuit breakers covered by this CID are intended for commercial/industrial applications.

Part or Identifying Number (PIN). The PIN for the CID shall be as shown in the following example.

A-A-55491	-	001
CID number		Dash number (see table I)

Salient characteristics.

Design and construction. Circuit breakers supplied to this CID shall be as specified herein (see figure 1) and shall meet the requirements of SAE J553 for automotive type circuit breakers.

Ampere rating. The ampere rating shall be as specified in table I.

Voltage rating. The voltage rating shall be 12 V dc.

Termination style. Termination shall be either a 254.0 millimeters (10 inches) wire loop or #10-32 stud terminals supplied with lock washers and hex nuts as specified in table I.

Mounting bracket. Circuit breakers which include a mounting bracket shall be as specified in table I.

Seal. These circuit breakers shall be provided with a weather resistant seal (see figure 1).

Marking. Circuit breakers supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

Regulatory requirements This section is not applicable to this CID.

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited

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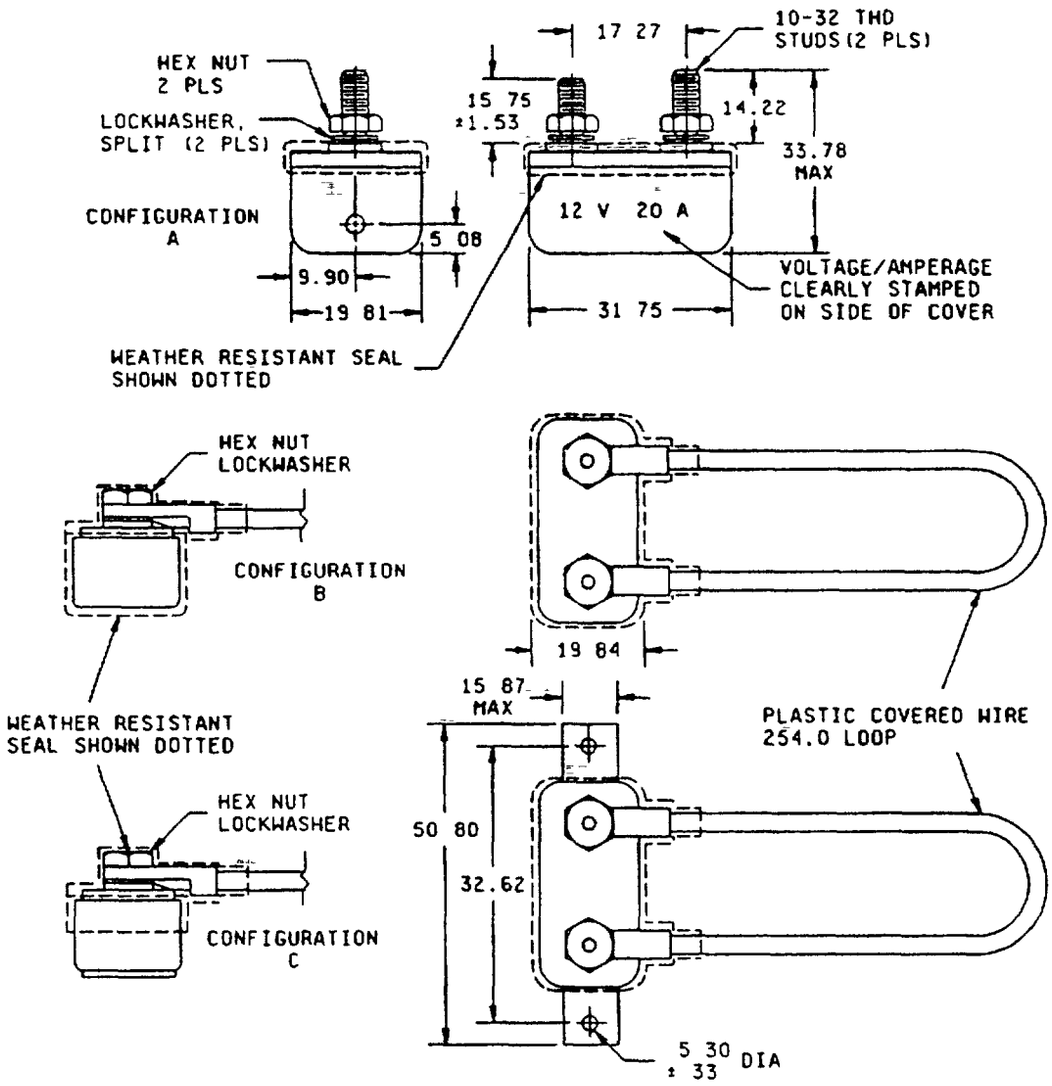

mm	Inches	mm	Inches
0.33	.013	17.27	680
1.53	.060	19.81	.780
5.08	.200	19.84	.781
5.30	.208	31.75	1.250
9.90	.389	32.62	1.284
14.22	.559	33.78	1.330
15.75	.620	50.80	2.000
15.87	.625	254.0	10 00

NOTES

1 Dimensions are in millimeters.

2 Unless otherwise specified, tolerance is ±0.13 millimeter (.005 inch).

3 The US government preferred system of measurement is the metric SI system. However, this item was originally designed using inch-pound units of measurement In the event of conflict between the metric and inch-pound units, the inch-pound units shall take precedence.

Figure 1 Configurations and dimensions

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TABLE I. Electrical characteristics.

A-A-55491-	Ampere rating	Wire loop size		#10-32 stud termination (Y-yes, N-no)	Mounting bracket (Y-yes, N-no)	Circuit breaker configuration
		length mm (inch)	gauge (AWG)			
001	4	N/A	N/A	Y	N	A
002	5	N/A	N/A	Y	N	A
003	6	N/A	N/A	Y	N	A
004	8	N/A	N/A	Y	N	A
005	10	N/A	N/A	Y	N	A
006	12	N/A	N/A	Y	N	A
007	15	N/A	N/A	Y	N	A
008	20	N/A	N/A	Y	N	A
009	25	N/A	N/A	Y	N	A
010	30	N/A	N/A	Y	N	A
011	40	N/A	N/A	Y	N	A
012	6	254.0 (10.00)	16	N	N	B
013	8	254.0 (10.00)	16	N	N	B
014	10	254.0 (10.00)	16	N	N	B
015	15	254.0 (10.00)	16	N	N	B
016	20	254.0 (10.00)	14	N	N	B
017	25	254.0 (10.00)	14	N	N	B
018	30	254.0 (10.00)	12	N	N	B
019	40	254.0 (10.00)	12	N	N	B
020	6	254.0 (10.00)	16	N	Y	C
021	8	254.0 (10.00)	16	N	Y	C
022	10	254.0 (10.00)	16	N	Y	C
023	15	254.0 (10.00)	16	N	Y	C
024	20	254.0 (10.00)	14	N	Y	C
025	25	254.0 (10.00)	14	N	Y	C
026	30	254.0 (10.00)	12	N	Y	C
027	40	254.0 (10.00)	12	N	Y	C

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Quality assurance provisions.

Responsibility for inspection Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection, examination, and test requirements specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections, examinations, or tests set forth in this description where such inspections, examinations, and tests are deemed necessary to assure supplies and services conform to prescribed requirements.

Contractor certification statement. The contractor shall certify and maintain objective quality evidence that the product offered meets the requirements of this CID, and that the product conforms to the producer's own drawings, specifications, standards, quality assurances practices, and is the same as the product provided as a bid sample. The Government reserves the right to require proof of such conformance prior to the first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

Certificate of compliance. A certificate of compliance shall accompany all automotive type circuit breakers supplied to this CID. The letter of certification shall state that the automotive circuit breaker meets all the requirements of SAE J553 and all the requirements of this CID.

Packaging.

Preservation, packaging, packing, labeling, and marking. Preservation, packaging, packing, labeling, and marking shall be as specified in the contract or purchase order.

Notes. This section contains relevant information which is useful to buyers, users, and suppliers in the process of acquiring the item, but is not mandatory.

Referenced document. The following document, of the issue in effect on date of invitation for bids for request for proposal, form a part of this CID to the extent specified herein.

Other Publication

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)

SAE J553 - Circuit Breakers.

(Applications for copies should be addressed to the Society of Automotive Engineers, Incorporated, 400 Commonwealth Drive, Warrendale, PA 15096-0001.)

Ordering data. The contract or purchase order shall specify the following:

a. CID document number and revision and CID PIN

b. Quality assurance provisions

c Packaging requirements.

Comments. Comments on this CID should be directed to Defense Electronics Supply Center, 1507 Wilmington Pike, ATTN: DESC-EMM, Dayton, OH 45444-5270, or telephone (513) 296-6184, or fax (513) 296-8868.

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Suggested sources of supply. Suggested sources of supply are listed herein. Additional sources will be added as they become available

CID dash number (see table I) A-A-55491-	Vendor commercial PIN CAGE 11873	Vendor commercial PIN CAGE 13445	CID dash number (see table I) A-A-55491-	Vendor commercial PIN CAGE 11873	Vendor commercial PIN CAGE 13445
001	---	30137-4	015	---	30063-15
002	121B05-00M-01-HA	30137-5	016	---	30063-20
003	121B06-00M-01-HA	30137-6	017	---	30063-25
004	121B08-00M-01-HA	30137-8	018	---	30063-30
005	121B10-00M-01-HA	30137-10	019	---	30063-40
006	121B12-00M-01-HA	---	020	---	30062-6
007	121B15-00M-01-HA	30137-15	021	---	30062-8
008	121B20-00M-01-HA	30137-20	022	---	30062-10
009	121B25-00M-01-HA	30137-25	023	---	30062-15
010	121B30-00M-01-HA	30137-30	024	---	30062-20
011	121B40-00M-01-HA	30137-40	025	---	30062-25
012	---	30063-6	026	---	30062-30
013	---	30063-8	027	---	30062-40
014	---	30063-10			

Vendor CAGE number	Vendor name and address
11873	Cooper Industries USD Products 7300 W. Wilson Avenue Chicago, IL 60656-4600 (708) 867-2255
13445	Cole Hersee Company 20 Old Colony Avenue Boston, MA 02127-2405 (617) 268-2100

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

PREPARING ACTIVITY:

DLA-ES

Project 5925-D153