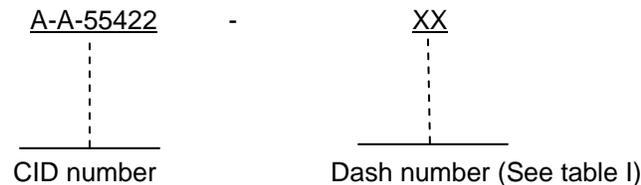


COMMERCIAL ITEM DESCRIPTION

ADAPTER, SWITCH ACTUATOR (FOR MINIATURE BASIC SENSITIVE SWITCHES)

The General Services Administration has authorized the use of this commercial item description for all federal agencies.

1. **SCOPE:** This commercial item description (CID) covers the general requirements for switch actuator miniature basic sensitive switches. Actuators covered by this CID are designed to mate with miniature basic sensitive switches such as MIL-PRF-8805/27 or similar items.
2. **CLASSIFICATION /PART OR IDENTIFICATION NUMBER (PIN).** This CID uses a classification system which is included in the PIN as shown in the following example (See 7.1).



3. SALIENT CHARACTERISTICS.

3.1 Interface and physical dimensions: Actuators supplied to this CID shall be as specified herein (See figure 1).

3.2 Operating characteristics: The operating characteristics shall be as specified in table I.

3.3 Material: All metal parts shall be corrosion resistant or suitable protected to resist corrosion. The roller material shall be oil bronze. Nonmetallic materials shall not be used for bracket.

3.4 Marking: Actuators supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN. (NOTE: The part number marked on the unit pack shall be the CID PIN.)

3.5 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

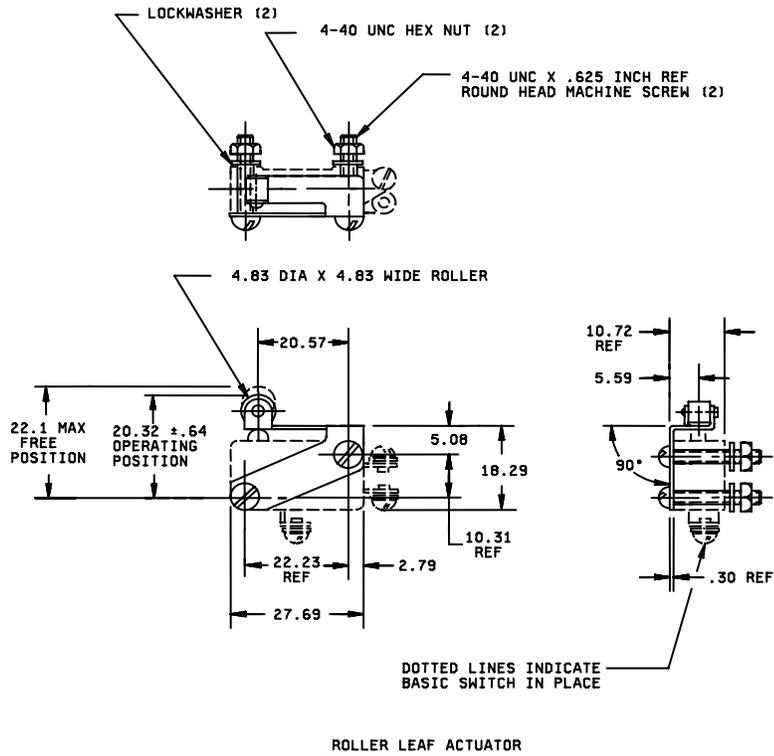
3.6 Workmanship: Switch actuator shall be processed in such a manner as to be uniform in quality and shall be free from other defects that will affect life, serviceability, or appearance.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data that may improve this document should be sent to: Defense Supply Center Columbus, ATTN: DSCC-VAT, P. O. Box 3990, Columbus, OH 43218-3990, or email to switch@dla.mil. Since contact information can change, you may want to verify the currency of the address information using the ASSIST Online database at <http://assist.daps.dla.mil/>.

TABLE I Operating characteristics 1/

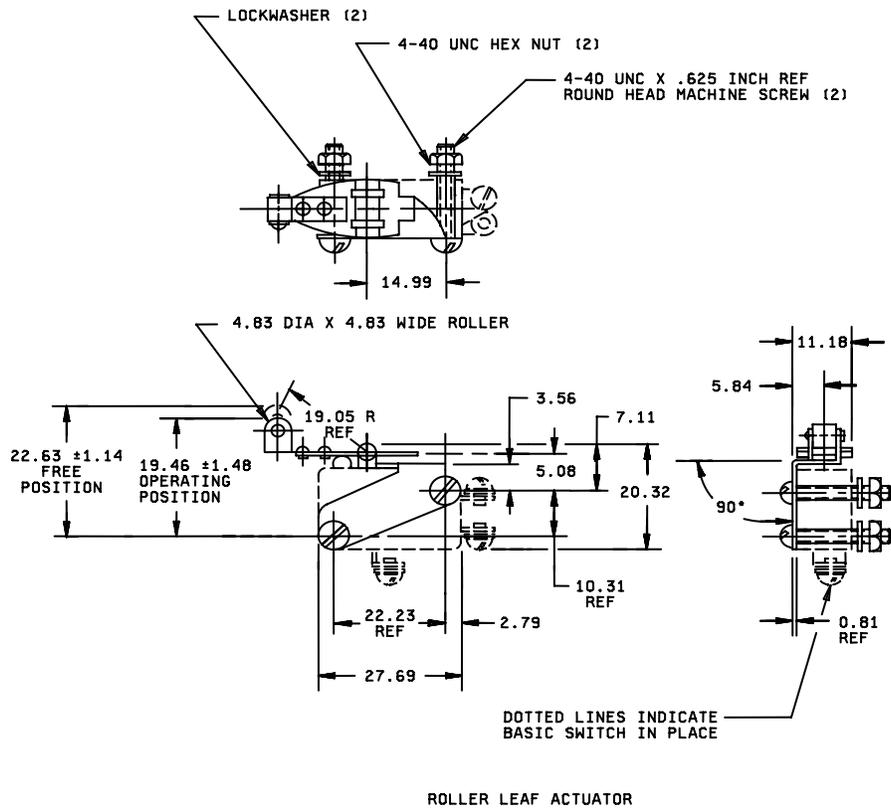
CID PIN	Actuator description	O. F. max newtons (ounces)	R.F. min newtons (ounces)	P.T. max mm (inches)	O. T. min mm (Inches)	D. T. max mm (inches)
A-A-55422-01	Roller leaf	5.00 (18)	1.11 (4)	1.52 (.060)	0.79 (.0310)	0.41 (.016)
A-A-55422-02	Roller lever	1.39 (5)	0.28 (1)	4.78(.188)	1.57 (.062)	1.98 (.078)

1/ All characteristics are taken with actuator assembled on MIL-PRF-8805/27 basic switch or similar item. Characteristics: O.F – Operating force, R.F. – Release force, P.T. – Pretravel, O.T – Over Travel, D. T. – Differential travel.



mm	Inches	mm	Inches	mm	Inches	mm	Inches
0.30	.012	4.83	.19	11.18	.44	20.32	.800
0.64	.025	5.08	.20	14.99	.59	20.57	.81
0.81	.032	5.59	.22	15.88	.625	22.10	.870
1.14	.045	5.84	.23	18.29	.72	22.23	.875
1.48	.055	7.11	.28	19.05	.750	22.63	.891
2.79	.11	10.31	.406	19.46	.766	27.69	1.09
3.56	.14	10.72	.422				

FIGURE 1. Configuration and dimensions



NOTES:

1. Dimensions are in millimeters.
2. Unless otherwise specified, tolerance is ± 0.38 mm (.015) and $\pm 2^\circ$ for angles.
3. The U.S. government preferred system of measurement is the metric SI system. However, since 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.
4. Mounting holes will accept pins or screws of 2.84 mm (.112) maximum diameter.
5. Mounting hardware is furnished with the actuator, unassembled.
6. Operating point dimension is taken at the top of the roller.
7. Switches are not included with actuators.

FIGURE 1. Configuration and dimensions – Continued.

4. REGULATORY REQUIREMENTS: The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 23.403 of the Federal Acquisition Regulation (FAR).

5. PRODUCT CONFORMANCE PROVISIONS.

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

6. PACKAGING: Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Environmentally preferable materials: Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. Table II lists the Environmental Protection Agency's (EPA) top seventeen hazardous materials targeted for major usage reduction. Use of these materials should be minimized or eliminated unless needed to meet the requirements specified herein (See section 3).

TABLE II. EPA top seventeen hazardous materials.

Benzene	Dichloromethane	Tetrachloroethylene
Cadmium and Compounds	Lead and Compounds	Toluene
Carbon Tetrachloride	Mercury and Compounds	1,1,1 - Trichloroethane
Chloroform	Methyl Ethyl Ketone	Trichloroethylene
Chromium and Compounds	Methyl Isobutyl Ketone	Xylenes
Cyanide and Compounds	Nickel and Compounds	

7.3 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these actuators to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.4 Source of documents.

DEPARTMENT OF DEFENSE SPECIFICATIONS

MIL-PRF-8805/27 - Switches, Sensitive, 10 Amperes and Low Level, Unsealed

(Copies of these documents are available online at <http://assist.daps.dla.mil/quicksearch/> or <http://assist.daps.dla.mil> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094).

FEDERAL REGULATIONS

FAR - Federal Acquisition Regulations (FAR)

(Copies of these documents are available online at <http://www.acquisition.gov/comp/far/index.html> or from the U.S. Government Printing Office, 732 North Capital Street, NW, Washington D. C. 20401.)

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

- a) CID document number and revision and CID PIN.
- b) Product conformance provisions.
- c) Packaging requirements.

7.6 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID.

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
91929	Honeywell Sensing and Control 11 W. Spring Street Freeport, IL 61032-4353 Technical Assistance Phone 815-235-6847 Fax 815-235-8257 Email: info.sc@honeywell.com Website: www.honeywell.com/sensing

7.7 Part number (P/N) supersession data. These CID PINs supersede the following MFR's P/N's as shown. This information is being provided to assist in reducing proliferation in the Government inventory system.

TABLE III. P/N supersession data

CID PIN	MFR's CAGE	MFR's CAGE PIN
A-A-55422-01	91929	JV-5
A-A-55422-02	91929	JV-20

7.8 Government users. To acquire information on obtaining these actuators from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-VAT, P.O. Box 3990, Columbus, OH 43218-3990, or telephone (614) 692-0551.

7.9 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extensiveness of the changes.

MILITARY INTERESTS:

Custodians:

DLA – CC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FSS/7FXE

Preparing Activity:
DLA-CC

(Project 5930-2007-035)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <http://assist.daps.dla.mil/>