

COMMERCIAL ITEM DESCRIPTION

ADAPTER, SWITCH ACTUATOR
(FOR MINIATURE BASIC SENSITIVE SWITCHES)

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

Abstract This CID covers the general requirements for auxiliary actuators for miniature basic sensitive switches. Actuators covered by this CID are designed to mate with miniature basic sensitive switches such as MIL-S-8805/27 or similar items.

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

	A-A-55422 -XX
CID number	_____
Dash number (see table I)	_____

Salient characteristics

Design and construction Actuators supplied to this CID shall be as specified herein (see figure 1)

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

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

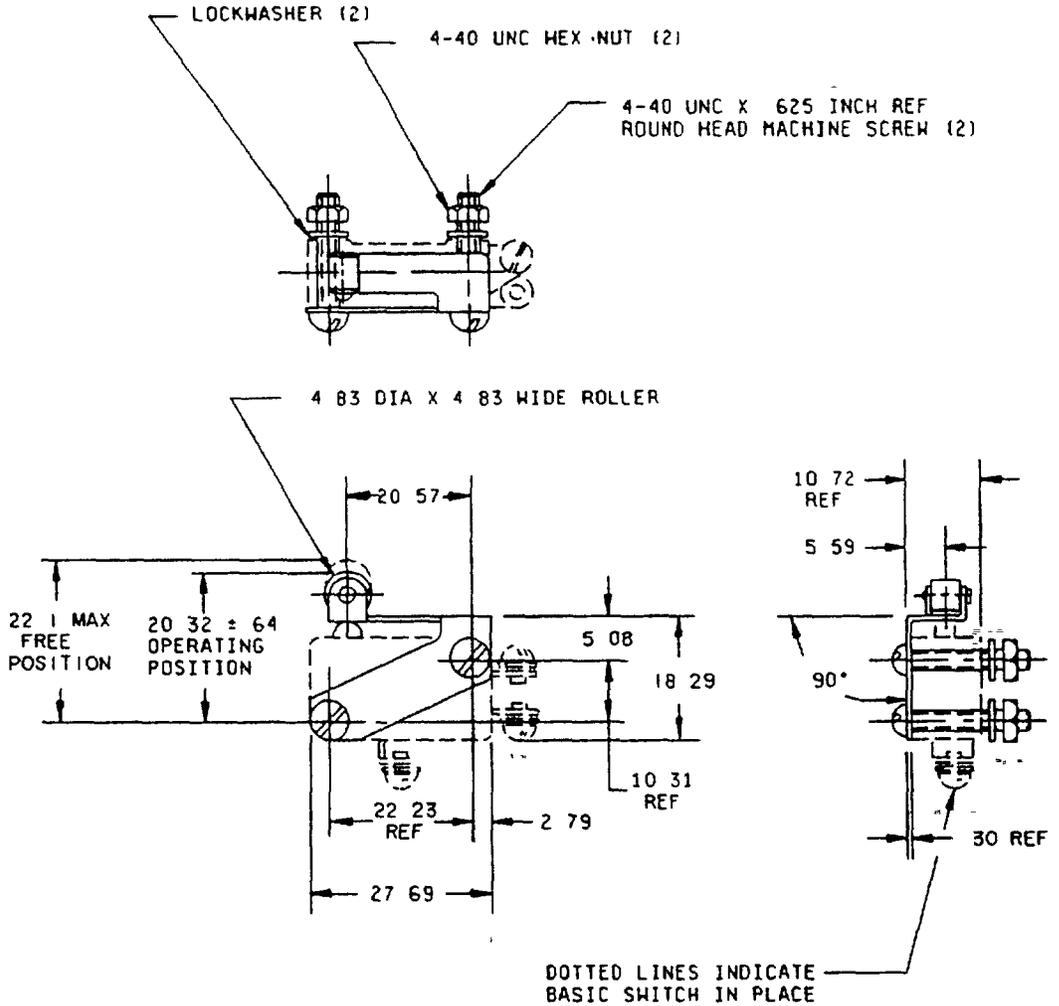
Marking Actuators supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

Regulatory requirements Not applicable

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 (.031)	0.41 (.016)
A-A-55422-02	Roller lever	1.39 (5)	0.28 (1)	4.78 (.188)	1.57 (.062)	1.98 (.078)

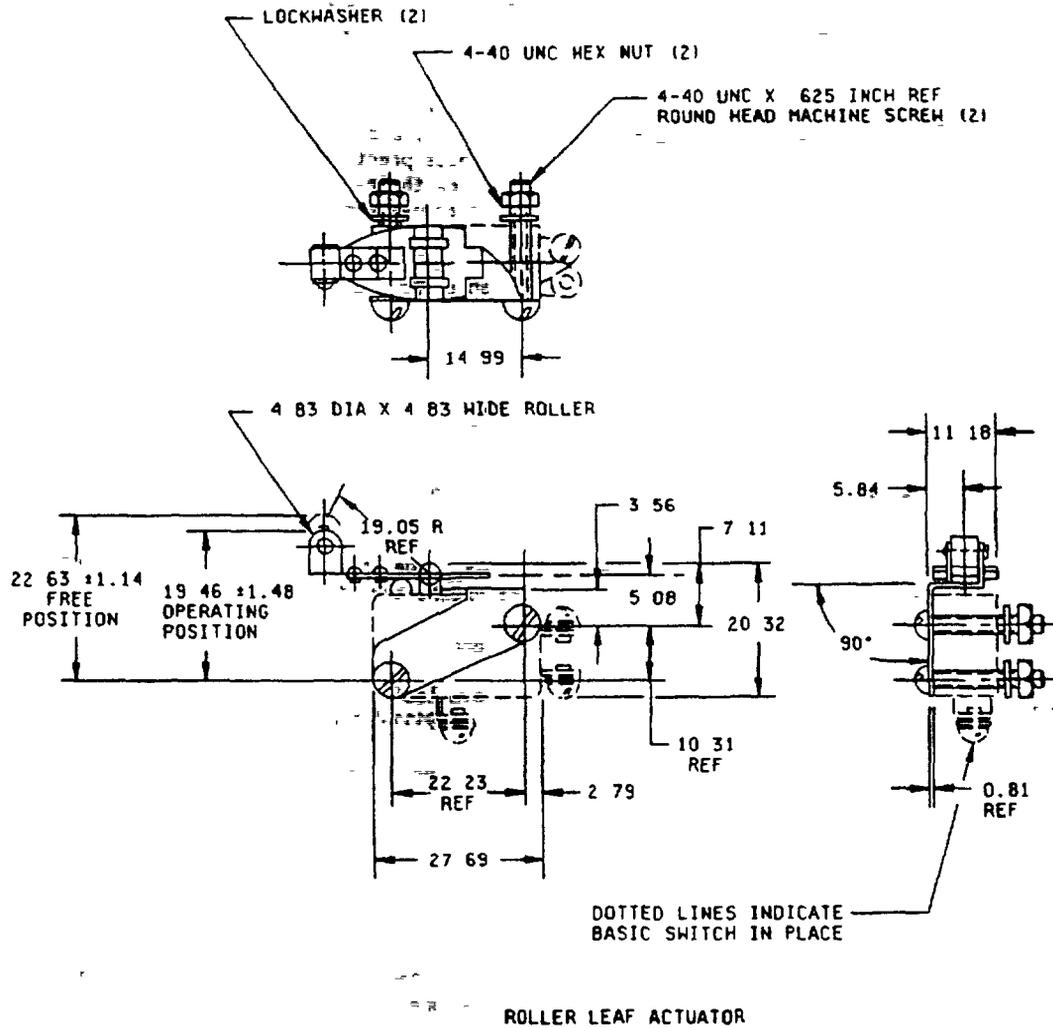
1/ All characteristics are taken with actuator assembled on MS25253-1 (MIL-S-8805/27) basic switch or similar item. Characteristics: O.F. - operating force, R.F. - release force, P.T. - pretravel, O.T. - overtravel, D.T. - differential travel.



ROLLER LEAF ACTUATOR

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

Quality assurance provisions

Responsibility for inspection The contractor is responsible for the performance of all inspection, examination, and test requirements specified in the contract or purchase order. The contractor may use his own or any other facilities suitable for inspection requirements specified in the contract or purchase order, unless otherwise disapproved by the acquiring activity. The acquiring activity reserves the right to perform any of the inspections set forth in the contract or purchase order 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 assurance practices, and is the same as the product provided as a bid sample. The acquiring activity 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 actuators supplied to this CID.

Packaging.

Preservation, packaging, packing, labeling, and marking Preservation, packaging, 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.

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

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

(Copies of federal specification and standards are available from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094)

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 513-296-6179

Suggested sources of supply A suggested source of supply is listed herein. Additional sources will be added as they become available

CID PIN	Vendor commercial PIN CAGE 91929
A-A-55422-01	JV-5
A-A-55422-02	JV-20

Vendor CAGE

91929

Vendor name and address

Micro Switch
Division of Honeywell, Inc
11 W Spring Street
Freeport, IL 61032-4353

CONCLUDING MATERIAL

CIVIL COORDINATING ACTIVITY
GSA - FSS/7FXE

PREPARING ACTIVITY
DLA - ES

(Project 5930-D734)