

27ET2-6-E
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M

DRAWING
NUMBER

10

ISSUE

REVISIONS

A	PR-4990
5	R E R JUN 75
B	CO 35836 GLH 11 AUG 75
C	C038196
K	P K 3 FEB 77
D	CO 50162
6	WJM OCT 81
E	C051725-E
25	R J H JAN 83
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14	K A G JUL 83
G	C053825
14	J A P SEPT 83
H	C054089
8	J A P DEC 83
J	204865
G J W	FEB 02

FO-50378-003

RASTER

DRAWN

RE R 22 MAY 75

CHECK

RELEASE NO. PR-4990

REPLACES

MICRO SWITCH
A DIVISION OF MINNEAPOLIS-HONEYWELL REGULATOR COMPANY
FREEPORT, ILLINOIS
FED. MFR. CODE 91929

**SWITCH - TOGGLE
(MAGNETIC HOLD-IN)**

CATALOG LISTING
27ET2-6-E

(8) NO. 20 WIRE LEAD PER MIL-W-22759/7 MARKED WITH CIRCUIT IDENTIFICATION AND WIRE GAGE (1-20, 2-20 ETC) PER MIL-W-5088

POSITION "B" ⁵/_Δ CIRCUITS 1-3 AND 4-5 CLOSED (MECHANICALLY MAINTAINED)

POSITION "C" ⁶/_Δ CIRCUITS 1-3 AND 4-6 CLOSED (ELECTRICALLY MAINTAINED)

POSITION "A" CIRCUITS 1-2 AND 4-5 CLOSED (MOMENTARY)

.072 ± .004 WIDE X .031 DEEP KEYWAY TO WITHIN .050 OF SHOULDER

HEX NUT .62 ACROSS FLATS X .125 THICK (2) ⁷/_Δ

CORROSION RESISTANT STEEL INTERNAL TOOTH LOCKWASHER .60 DIA X .018 REF THICK (MS 35333-136) ⁷/_Δ

KEYING WASHER, .72 DIA X .031 THICK, TAB .110 WIDE ⁷/_Δ

15/32-32UNS THREAD TO WITHIN .090 OF SHOULDER

30° ± 4° TOTAL TRAVEL

.388

.05

.047 DIA HOLE FOR WIRE LOCKING

2.600 MAX

.54

1.6

.090 APPROX PULL-OUT TO CHANGE POSITION

.42 DIA

72.0 MIN

1.0 DIA

LEVER

.400 MAX

NOTES

1 - EXPOSED PARTS ARE OF CORROSION RESISTANT MATERIAL OR ARE SUITABLY PROTECTED TO PREVENT CORROSION ENCLOSURE FINISHED WITH BLUE EPOXY BASED ENAMEL COLOR NO. 25184 PER FEDERAL STANDARD 595

2 - SWITCH SEALED PER MIL-S-5594

³/_Δ HOLD IN VOLTAGE: THE MINIMUM SPECIFIED VOLTAGE AT WHICH THE LEVER WILL REMAIN ACTUATED. HOLD IN MAY OCCUR AT A LOWER VALUE. DROP OUT VOLTAGE: THE VOLTAGE RANGE IN WHICH THE LEVER WILL BE RELEASED

⁴/_Δ CIRCUIT IDENTIFICATION IS SHOWN ON CASE

⁵/_Δ ENERGIZING THE SOLENOID WILL NOT BREAK CIRCUITS 1-3 AND 4-5

⁶/_Δ CIRCUITS 1-3 AND 4-6 CAN BE BROKEN MANUALLY

⁷/_Δ HARDWARE MAY BE FURNISHED UNASSEMBLED PER MIL-S-5594

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CHARACTERISTICS ³ / _Δ		ELECTRICAL DATA		SCALE FULL	
SOLENOID RATING AT 20° C		CONTACT ARRANGEMENT		DO NOT SCALE PRINT	
STEADY STATE LIMITS ---- 20-29 VDC		S P D T (2)		UNLESS OTHERWISE SPECIFIED	
HOLD IN ---- 15 VDC		RATING IN AMPERES		DIMENSIONS ARE IN INCHES	
DROP OUT ---- 0-15 VDC		SEA LEVEL		TOLERANCES ARE:	
COIL RESISTANCE ---- 220 OHM MIN		65,000 FT		ONE PLACE (.0) ± .030	
OPERATING FORCE ---- 7 LBS MAX		INRUSH RES IND MOTOR INRUSH RES IND MOTOR		TWO PLACE (.00) ± .015	
OVERRIDE FORCE AT 29VDC ---- 10 LBS MAX		28 VOLTS DC 7 2 5 1.5		THREE PLACE (.000) ± .005	
				ANGLES ±	
				WEIGHT 14 OZ MAX	