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FIG. 1

45.0 (1.772)
 40.0 (1.575)
 27.1 (1.068)
 6.0 (0.236)
 20.0 (0.787)
 19.0 (0.748)
 42.0 (1.654)
 40.0 (1.575)
 22.0 (0.866)
 15.00 (0.591)
 60.0 (2.362)
 13.75 (0.541)
 3.0 (0.118)
 75°
 75°
 2.15 (0.085) (12)
 12.0 (0.472)
 30 (1.18)
 4.0 (0.157)
 20 (0.787)
 15.0 (0.591)
 55 (2.165)
 2.5 (0.098)
 65.0 (2.559)
 57.0 (2.244)
 82.0 (3.228)
 15.0 (0.591) DT
 30°
 30°
 40 (1.575)
 55 (2.165) OP
 OP2

CONDUIT THREAD (3)
PG 13.5 (B)

NOTES:-
 1. ZINC DIECAST BODY AND HEAD WITH STEEL COVER. BODY AND COVER FINISHED IN MICRO SWITCH BLUE EPOXY PAINT. HEAD FINISHED IN BLACK EPOXY PAINT.
 2. MINIMUM OPERATING VELOCITY (V_{min}) = 2.0 MM/S (THESE LIMITS APPLY TO CAM OPERATION AS SHOWN IN THE ABOVE DIAGRAMS ONLY)
 3. FREE POSITION (FP), OPERATING POINT (OP), OVERTRAVEL (OT) AND PRETRAVEL (PT) ALL TO EN50047.
 4. MAXIMUM TIGHTENING TORQUE FOR FIXING SCREW = 0.9Nm (4.4in.LB)
 NO CHANGES CAN BE MADE TO THIS DRAWING WITHOUT JOINT NEWHOUSE/FREEMPORT APPROVAL.

SWAP-ACTION CONTACTS	SLOW-ACTION CONTACTS (BREAK BEFORE MAKE)	SLOW-ACTION CONTACTS (MAKE BEFORE BREAK)	SLOW-ACTION CONTACTS (2 NORMALLY CLOSED)	SNAP-ACTION CONTACTS (DOUBLE POLE)	CONTACT BLOCK DIAGRAM (NORMAL TRAVELS AND RELATED TERMINALS DESIGNATION TO EN 50015)
 21-22 13-14 43 535 FP OP OT DT = 9.8mm RP = 5.2mm FP = 0° OP = 25° DT = 18° 120 (L9) 140 (L9)	 21-22 13-14 24.6mm 535 FP OP OP2 OT FP = 0° OP = 23° OP2 = 34° OT = 30° OT = 6° to 75° 110 (L9) 160 (L9)	 21-22 13-14 15mm 27.9 40mm 535 FP OP OP2 OT FP = 0° OP = 28° OP2 = 30° OT = 30° OT = 6° to 75° 110 (L9) 170 (L9)	 21-22 13-14 15mm 36.5mm 535 FP OP OT FP = 0° OP = 26° OT = 6° to 75° 110 (L9) 150 (L9)	 21-22 13-14 15mm 43.3 535 FP OP OT FP = 0° OP = 28° OT = 6° to 75° 165 (L9) 165 (L9)	 NORMAL TRAVELS AND RELATED TERMINALS DESIGNATION TO EN 50015 CONTACT CLOSED CONTACT OPEN POSITIVE TRAVELS (SEE FIG. 1) NORMAL OPERATING TORQUE MIN MAXIMUM DISORDERED TORQUE

01 03 04 06 24
 07 33 34 36 32

BASIC SWITCH
 CONDUIT THREAD (SEE FIGS. 1 & 2)
 EN50047 BODY TYPE (SEE FIG. 1)
 1/2" NPT x 1/4 CONDUIT THREAD ADAPTER
 PG 13.5 CONDUIT THREAD
 M20 x 1.5 CONDUIT THREAD
 PF 1/2 CONDUIT THREAD

BASIC SWITCH WITH SILVER CONTACTS
 BASIC SWITCH WITH GOLD PLATED CONTACTS

SIDE ROTARY ACTUATOR (SEE FIG. 1)
 A1A = PLASTIC ROLLER
 A1B = METAL ROLLER
 HEAD ORIENTATION AND LEVER DIRECTION OF OPERATION (SEE FIG. 3)

MODIFICATION CODE
GLE X XX XXX-X XXXX

CABLE 5 WIRE, WITH GROUND. LAST CHARACTER IS TWIN KEYWAY. CABLE LENGTHS ARE FROM 1 TO 9 METRES. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.
 CONNECTOR .4 PIN MICRO. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.
 CONNECTOR .5 PIN MICRO. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.
 CONNECTOR .4 PIN MINI. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.
 CONNECTOR .5 PIN MINI. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.
 CONNECTOR .5 PIN MICRO. ONLY AVAILABLE WITH CONDUIT THREAD TYPE 'B'.

NOTE:- ANY STANDARD LISTING WITH SUFFIX 'RS' OR 'FE' IS PERMITTED.
 BLANK = LEVER TO FRONT, SWITCHING IN BOTH DIRECTIONS.

FIG 2

23.8 (0.937)
 1/2" NPT x 1/4 CONDUIT THREAD ADAPTER (A)

FIG 3

SWITCHING CLOCKWISE ROTATION ONLY
 SWITCHING ANTI-CLOCKWISE ROTATION ONLY
 LEVER ON RIGHT
 LEVER ON LEFT
 LEVER TO MOUNTING SURFACE

NOTE:
 FOR CONNECTION DIAGRAMS AND ADDITIONAL ELECTRICAL, ENVIRONMENTAL & DIMENSIONAL INFORMATION SEE DRAWING GL-49212.
 NOTE:- CABLE AND CONNECTOR WILL BE FITTED TO BOTTOM EXIT CONDUIT ONLY. OTHER OPTIONS CUSTOMER SPECIAL 'N' LISTING.

STANDARD SILVER CONTACTS	SOLD PLATED CONTACTS	ENVIRONMENTAL	APPROVALS
ELECTRICAL RATINGS AC 3.00 AC15 125 6 240 5 VOLTS AMPS DC 0.50 DC13 125 0.55 250 0.27 VOLTS AMPS	ELECTRICAL RATINGS I _{th} 10A 1V 10uA MIN. ISOV 100mA MAX.	IP66 NEMA 1, 4, 12, 13 TEMP RANGE: -25°C TO 85°C STORAGE: +40°C TO 85°C -40°F TO 185°F SHOCK: 50G PER IEC 68-2-27 VIBRATION: 10G PER IEC 68-2-6	 IEC 947-5-1 EN50047

SCALE: DIMENSIONS ARE IN MM/INCHES. MODIFY ON CAD30 SYSTEM ONLY.