

DO NOT SCALE PRINT

MTG-GS-262

REPLACES

DR/202

1

REVISIONS

12/98

I. WEIR

CHECK

DESIGN

AUTHOR: N

GLOBAL SAFETY SWITCH

MTG-GS-262

FIGURE 1

FIGURE 3

BASIC SWITCH	CONTACT BLOCK DIAGRAM	OPERATING TORQUE MAX Nmm in. lbs	DISCONNECT TORQUE MAX Nmm in. lbs
01 07		120 1.1	140 1.3
03 33		110 1.0	160 1.5
04 34		110 1.0	170 1.6
06 36		110 1.0	150 1.4

FIGURE 2

FIGURE 4

CONDUIT THREAD

BASIC SWITCH (SEE FIGURE 3)

CONDUIT THREAD (SEE FIGURES 1 & 2)

EN50047 BODY TYPE (SEE FIGURE 1)

1/2" NPT X 14 CONDUIT THREAD

PG 13.5 CONDUIT THREAD

M20 X 1.5 CONDUIT THREAD

PF 1/2 CONDUIT THREAD

SIDE ROTARY ROLLER ACTUATOR (SEE FIGURE 1)

ROLLER MATERIAL
A = PLASTIC : B = METAL : BLANK = NO ROLLER

ROLLER ORIENTATION (SEE FIGURES 1 & 4)

SILVER CONTACT BASIC SWITCHES

GOLD PLATED CONTACT BASIC SWITCHES

BLANK = STANDARD ORIENTATION - ROLLER PARALLEL TO MOUNTING SURFACE. SWITCHING IN BOTH DIRECTIONS. (SEE FIGURE 1)

MODIFICATION CODE (THREAD TYPE 'B' ONLY)

CABLE, 5 CONDUCTOR WITH EARTH. LAST CHARACTER IS CABLE LENGTH FROM 1 TO 9 METRES.

CONNECTOR - 4 PIN MICRO-CHANGE

CONNECTOR - 5 PIN M12

CONNECTOR - 4 PIN MINI-CHANGE

CONNECTOR - 5 PIN MINI-CHANGE

BLANK = NO MODIFICATION

ELECTRICAL RATING				ENVIRONMENTAL		APPROVALS
SILVER CONTACTS				GOLD PLATED CONTACTS		
AC		DC		I _{th} = 10A		
A300 U _e	AC15 I _e	O300 U _e	DC13 I _e	1V 10µA MIN.		
VOLTS 120 240	AMPS 6 3	VOLTS 125 250	AMPS 0.55 0.27	50V 100mA MAX.		
IP66 NEMA 1, 4, 12, 13				TEMP RANGE : -25°C TO 85°C -13°F TO 185°F 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						

FIGURE 3

BASIC SWITCH	CONTACT BLOCK DIAGRAM	OPERATING TORQUE MAX Nmm in. lbs	DISCONNECT TORQUE MAX Nmm in. lbs
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FIGURE 2

FIGURE 4

CAM ACTUATION PER EN50047

NOMINAL TRAVELS AND RELATED TERMINALS

■ - CONTACT CLOSED □ - CONTACT OPEN ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1

DIMENSIONS IN mm

ANGULAR ACTUATION

NOMINAL TRAVELS AND RELATED TERMINALS

■ - CONTACT CLOSED □ - CONTACT OPEN ▨ - CONTACT CLOSED DIFFERENTIAL TRAVEL, ** POSITIVE OPENING TO IEC 947-5-1

NOTES:-

- RED EPOXY PAINT FINISHED ZINC DIE-CAST BODY AND STEEL COVER. BLACK EPOXY PAINT FINISHED ZINC DIE-CAST HEAD.
- FREE POSITION (F.P.), OPERATING POINT, OVERTRAVEL (O.T.) AND PRETRAVEL ALL TO EN50047.
- ANY STANDARD LISTING WITH SUFFIX 'RS' OR 'FE' IS PERMITTED.
- FOR CONNECTION DIAGRAMS AND ADDITIONAL ELECTRICAL, DIMENSIONAL AND ENVIRONMENTAL INFORMATION REFER TO DRAWING GL-49212.
- MAXIMUM TIGHTENING TORQUE FOR FIXING SCREWS = 0.5 Nm (4.4 in lb).
- HEAD AND COVER FIXED WITH TORX® SOCKET HEAD SCREWS (DRIVER SUPPLIED).
- LEVERS MAY BE ATTACHED AND KEYED TO THE SHAFT AT 10° INCREMENTS.

NO CHANGES CAN BE MADE TO THIS DRAWING WITHOUT JOINT NEWHOUSE/FREEPORT APPROVAL

Mouser Electronics

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