

REV	DATE	DRWN/CHKD	DESCR/PTION	PART NUMBER	PULL-UP FORCE
H	25MAR2004	CY/AJH	PRN: P2004-0298	C3-1803	13N
I	14AUG2008	AR/RJR	PRN: P2008-0903	C3-1805	22N
				C3-1810	44N

DRAWING NUMBER	J-C3-18
SCALE	1:1
CHKO	MJC
DATE	24 JUL 95

MILLIMETERS

ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.



A3 PAPER SIZE

NOTES:

A. MATERIAL AND FINISH:

RIVET: 5056 ALUMINUM, NATURAL.
HOUSING: ABS POLYCARBONATE BLEND (UL94-V0 RATED), BLACK.
SPRING: 302 STAINLESS STEEL (13N PASSIVATED, BLUE ORGANIC COATING; 22N PASSIVATED; 44N PASSIVATED, BLACK OXIDE).
OTHER COMPONENTS: GLASS-REINFORCED NYLON (UL94-V0 RATED), BLACK.

B.

1. PACKAGING: CATCH AND KEEPER SHIPPED SEPARATELY, BULK. FOR CATCH AND KEEPER PACKAGED ONE PER BAG, ADD '-P' TO THE END OF THE PART NUMBER. (EXAMPLE: C3-1803-P).
2. FOR PART NUMBERS WITH A '*-PA*', PACKAGE LATCH AND KEEPER PER S-34-9-G7, ONE UNIT PER APPROPRIATE SIZE WHITE BAG.

C.

TERMINAL COVER IS USED FOR PROTECTION DURING SHIPPING ONLY AND SHOULD BE REMOVED PRIOR TO INSTALLATION.

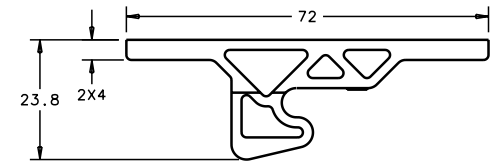
D.

USE STRAIN RELIEF ON WIRES

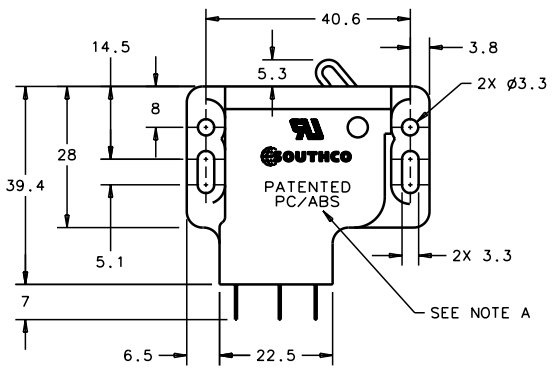
E.

THE FOLLOWING WARNING APPEARS ON THE PANEL MOUNTING SIDE OF THE CATCH:

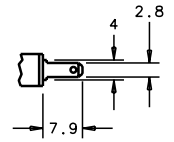
CAUTION: NOT DESIGNED FOR USE AS A SAFETY INTERLOCK



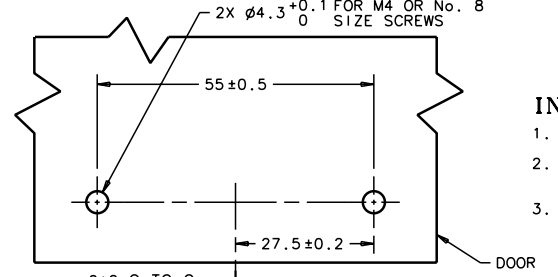
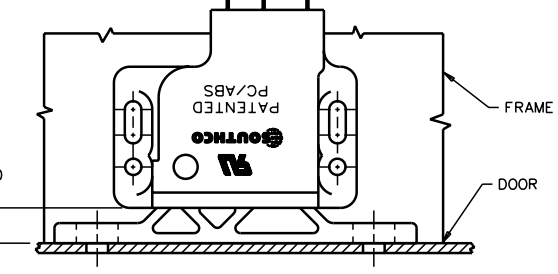
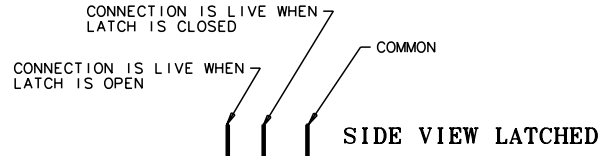
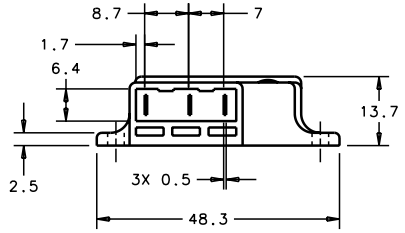
HEAVY DUTY KEEPER



CATCH



TERMINAL DETAIL



PANEL PREPARATION

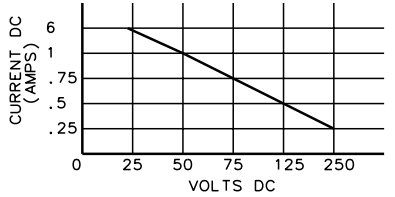
INSTALLATION NOTE:

DO NOT USE COUNTERSUNK SCREWS TO INSTALL CATCH OR KEEPER. USE ONLY RECOMMENDED SCREW SIZES. DO NOT OVERTIGHTEN SCREWS. RECOMMENDED SCREW TIGHTENING TORQUES ARE:

- 1.1 Nm (0.81 ft.lbs) FOR THE CATCH
- 2.8 Nm (2.0 ft.lbs) FOR THE KEEPER

SWITCH SPECIFICATION:

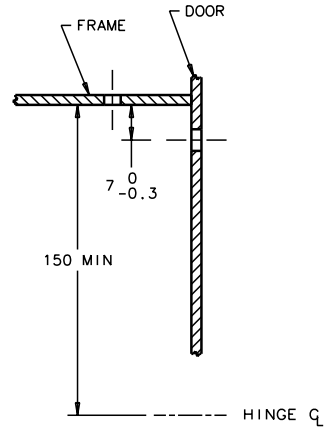
SUBMINIATURE, VDE, UL APPROVED. SWITCH IS FITTED WITH FAST-ON TERMINALS. SWITCH CONTACTS ARE SILVER AND SHOULD NOT BE USED TO SWITCH LOADS BELOW 10 mA. FOR LOADS AT THIS LEVEL GOLD CONTACTS ARE REQUIRED. GOLD CONTACTS AVAILABLE FROM SOUTHCO AS A MODIFICATION. MAX AC VOLTAGE 250V, MAX AC CURRENT 6A. SEE GRAPH BELOW FOR DC RESISTIVE LOAD.



WHEN SWITCHING INDUCTIVE LOADS OVER 50 VOLTS DC, THE SIZE OF THE INDUCTIVE LOAD MUST BE GREATLY REDUCED.

INSTALLATION INSTRUCTIONS:

1. MOUNT CATCH TO FRAME.
2. ORIENT KEEPER TO LATCH, THE ARROW ON THE KEEPER SHOULD POINT TOWARDS THE PAWL.
3. MOUNT TO DOOR AND ADJUST FOR SMOOTH LATCHING.



PANEL PREPARATION (TOP VIEW)

SAFETY NOTE:

THIS PRODUCT IS SPECIFICALLY DESIGNED TO BE USED AS A MECHANICAL GRABBER CATCH WITH AN ELECTRIC SWITCH. THE SWITCH IS DESIGNED TO OPERATE AN INDICATOR LIGHT OR FORM PART OF A NON-SAFETY RELATED LOGIC CIRCUIT.

THIS PRODUCT IS NOT DESIGNED FOR USE AS A SAFETY INTERLOCK.