DESCRIPTION

PRN: P2013-1922

(Black)

(Blue)

(Grey)

(Red)

(Brown)

H.C.

- (G)

(Orange) Control Signal IN

+ 8 TO 26VDC

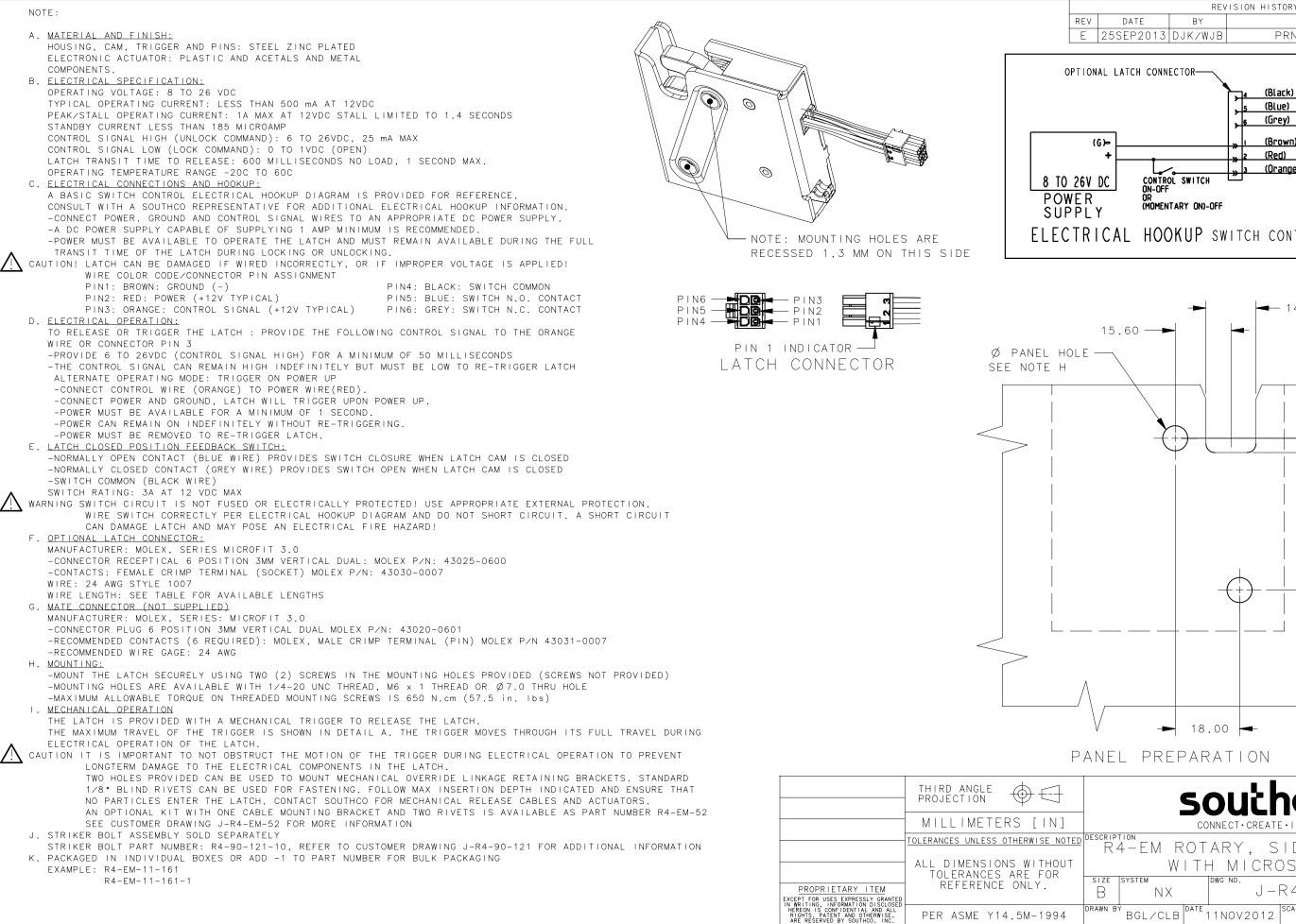
SWITCH

IN CAM CLOSED

POSITION\*

COMMON SWITCH SHOWN

ACTUATOR

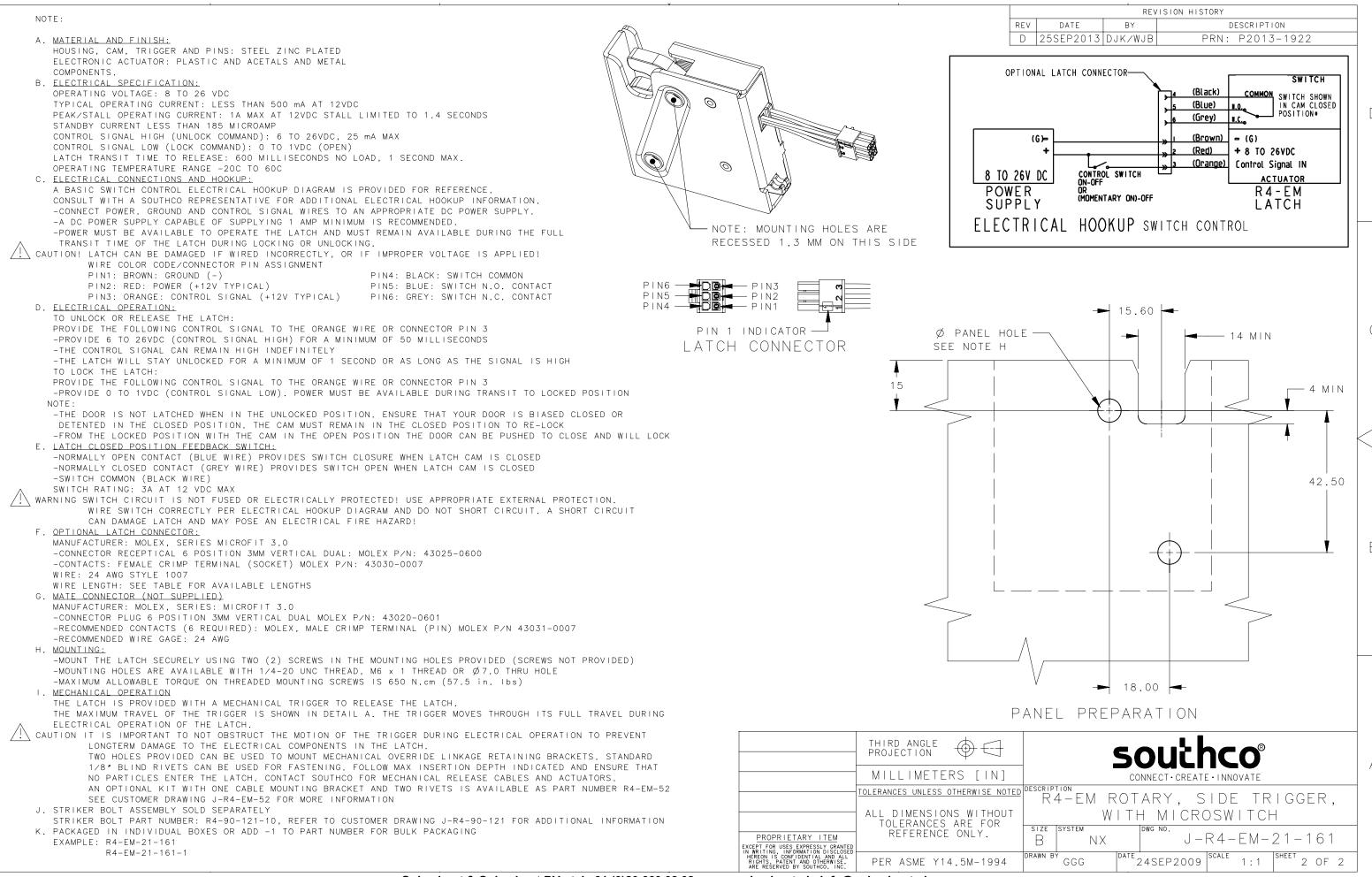


D

В

D

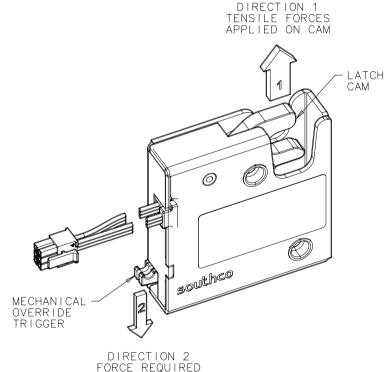
В



	L L		PROPRIETARY ITEM - EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS PATENT AND OTHERWISE ARE RESERVED BY SOUTHCO, INC.		R4-EM ROTARY LATCH			DATE	DRAWN	CHKD	SCALE	DRAWING NUMB	BER
Southco								22JAN2009	MJS	GG	.5:1	TD-R4-EM-1-J	
П	REV DATE	DRAWN/CHKE	DESCRIPTION									\$	ΛЛ
	C 28JUL2011	MJS/WB	ADDED TR R4-117										PAPER
												THIRD ANGLE PROJECTION	

SOUTHCO PERFORMANCE GUIDELINES

THE PERFORMANCE GUIDELINES SHOWN ON THIS PAGE ARE SUPPLIED AS A GENERAL GUIDE ONLY, AS CONDITIONS VARY WITH EACH APPLICATION AND METHOD OF INSTALLATION. STRENGTH DATA GIVEN IS FOR FAILURE OF THE PRODUCT OR FOR SUFFICIENT DEFORMATION TO MAKE THE PRODUCT INOPERABLE. NO SAFETY FACTOR HAS BEEN APPLIED. IT IS RECOMMENDED THAT THE USER REQUEST A PRODUCT SAMPLE FOR TESTING TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE PURPOSE INTENDED AND USER'S PARTICULAR APPLICATION.



TENSILE FORCE ON CAM	CYCLE LIFE				
44 N (10 lb.)	100,000				

Performance values for R4-EM-1X-XXX See J-R4-EM-11-151 and J-R4-EM-11-161 for latch dimensions.

- 1. Testing performed using part number R4-EM-11-161.
- 2. TENSILE FORCES (Direction 1) are applied at the nominal lateral position (zero misalignment).
- 3. MAXIMUM TENSILE FORCE (Direction 1) on the cam that the latch can release (open) electronically one time: 1557 N (350 lbf).
- 4. AVERAGE ULTIMATE TENSILE LOAD (Direction 1) on the cam before latch can fracture: 6770 N (1522 lbf).
- 5. AVERAGE ULTIMATE TENSILE LOAD (Direction 1) when used with Southco Striker Bolt R4-90-121-10: 4890 N (1100 lb.).
- 6. TENSILE FORCE (Direction 2) required on the mechanical override trigger to operate (open) the latch manually with a 100 N (22 lbf) tensile force on the cam: 4 N (0.9 lbf).

REF: TR R4-93 TR R4-4867

TR R4-117 (SUPERCEDES TEST #12 IN TR R4-93)

TO OPERATE LATCH MANUALLY