

		ightrightarrow						
NOTES:		<u> </u>			REV	REVISION HISTORY		
1. ALL MATERIALS AND FINISHES ARE ROHS COMP	PLIANT.			DATE	BY	DESCRIPTION		
HOUSINGS: IF MM IS 20, STAINLESS STEE	L, PASSIVATED.	Ī	Ε (08AUG2023	VTT/IR	PRN: P2023-1479		
IF MM IS 10 OR 15, STEEL, Z	INC PLATED.	_						
PAWL AND TRIGGER: STAINLESS STEEL, PA	SSIVATED							
SPRINGS: STAINLESS STEEL, PASSIVATED								
SCREWS: MATCHES HOUSING MATERIAL AND	FINISH							
2. SEE J-A5-95-101 AND J-A5-95-102 FOR THE		D ROUND ROD STRIKER AS	SSEMI	BLIES.				
3. COSMETIC SPECIFICATION:			0 0 2					
ALL SURFACES, UNLESS OTHERWISE NOTED, A	RE TO CONFORM TO	A CLASS "D"DESIGNATI	ION	AS DESCRI	IBFD IN	SOUTHCO COSMETIC		
SPECIFICATIONS: S-121-02 FOR ZINC PLATI								
4. LATCH CAN BE INSTALLED USING THE TWO Ø5								
PLEASE CLEAN AND DEGREASE THE MOUNTING S					`	, ,		
BLOCKER ASSEMBLY. FULL ADHESION BOND STR								
FOR ADDITIONAL INFORMATION.	ENOTH 13 ACHTEVE	D ATTER 72 HOOKS. SEE	O IVI	DOCOMENT	VIID IAI	E STECTAETT TATES.TOT		
5. ELECTRICAL SPECIFICATIONS: SEE TABLE 1 -	FLECTRICAL SDEC	I F I CAT LONS						
- POWER MUST BE AVAILABLE TO OPERATE THE			HRIN	G THE FUL	I TRANC	IT TIME OF THE ACTUATOR		
DURING EXTENDING OR RETRACTING.	MOTORION AND MO	ST REMAIN AVAILABLE DO	OIVIIN	O THE TOL	LL INANS	TI TIME OF THE ACTUATOR		
- TRIGGER COMMAND: ACTUATOR WILL FULLY E	VTEND WHEN DOWED	IS HELD ON THE OPANCE	□ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	DE IT WI	III HOLD	IN THE EVIENDED DOCITION		
UNTIL POWER IS MOVED TO THE RED WIRE.								
WHEN THE INTERNAL SWITCH IS TRIPPED ON			LLD	ON THE KE	LD WINL.	KLIKACITON WILL STOP		
- IF THE CONTROL SIGNAL PULSE IS LESS TH			D WILL	II NOT CI	TADT LTC	CVCLE		
- THE ACTUATOR WILL EXTEND AND PUSH A ME								
- SEE TD-AC-EM-10-1-J SHEET 2 FOR SUPPLE				,	TE ACTUA	TOR WILL NOT FULL A LUAD.		
					001/ (01	ALL		
CAUTION! TO PREVENT LONG TERM DAMAGE TO T	HE ELECTRICAL CO	MPUNENTS IT IS IMPURTA	ANI	IO NOI BL	_UCK (51	ALL) THE ACTUATOR		
DURING ELECTRICAL OPERATION.								
- THE ACTUATOR CANNOT REVERSE A CYC		TENDED TRAVEL TO COMPL						
- THE ACTUATOR MUST BE ALLOWED TO R					•			
CAUTION! NO STALL PROTECTION IS PROVIDED	IN ACTUATOR. US	E APPROPRIATE CIRCUIT	PRU	TECTION.				
6. ENVIRONMENTAL SPECIFICATIONS:								
OPERATING TEMPERATURE RANGE: -40°C TO 80	°C NON-ICING, NO	N-CONDENSING ENVIRONME	ENI					
OPERATING HUMIDITY: 85% MAX.								
SEALED TO IP67, CLASS 1, DIV 2.								
7. ELECTRICAL CONNECTIONS AND HOOKUP:								
A BASIC SWITCH CONTROL ELECTRICAL HOOKUP								
CONSULT WITH A SOUTHCO REPRESENTATIVE FO				Ν.				
- CONNECT POWER, GROUND AND CONTROL SIGNAL								
- A DC POWER SUPPLY CAPABLE OF SUPPLYING 5			TOR	IS RECOMM	MENDED.	CAUTION! ACTUATOR CAN BE		
DAMAGED IF WIRED INCORRECTLY, OR IF IMPR		APPLIED!						
WIRE COLOR CODE/CONNECTOR PIN ASSIGNMENT	,	THIRD ANGLE						
SEE CONNECTOR PINOUT LOCATION DETAILS:		PROJECTION TO			SA	uthco		
- PIN1: BLACK OR BROWN WIRE: GROUND(-)					20	acrico		
<pre>- PIN2: RED WIRE: RETRACT(+)</pre>		MILLIMETERS [IN]			CONNE	CT · CREATE · INNOVATE		
- PIN3: ORANGE WIRE: EXTEND(+)		TOLERANCES UNLESS OTHERWISE NOTE	ED DESC	CRIPTION		OMECHANICAL LATCH,		
NO CONNECTOR, STRIPPED & TINNED HARNESS		ALL BIMENCLONG WITHOUT				•		
LENGTH: 430+5/-0		ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR				HOLD, PULL TO OPEN		
		LULLINGIBULU ANL LUN	C.I.	ZE SYSTEM	DWC	NO		
	DDODDIETADV LTEV	REFERENCE ONLY.			DWG			
	PROPRIETARY ITEM EXCEPT FOR USES EXPRESSLY GRANTED		A		X	J-R4-05-5B-9EC1		
	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.		А		X	J-R4-05-5B-9EC1 PR2020 SCALE NONE SHEET 2 OF 7		

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NOTES:

8. OPTIONAL CONNECTOR:

PARAMETER

- 6 PIN CONNECTOR:
 - MANUFACTURER: MOLEX, SERIES: MICROFIT 3.0 OR SBU ENGINEERING APPROVED EQUIVALENT.
 - CONNECTOR RECEPTICAL 6 POSITION 3mm VERTICAL DUAL,
 - MOLEX P/N: 430250600 OR SBU ENGINEERING APPROVED EQUIVALENT.
 - CONTACTS: FEMALE CRIMP TERMINAL (SOCKET) MOLEX P/N: 430300010 OR SBU ENGINEERING APPROVED EQUIVALENT.
 - WIRE: 22 AWG STYLE AWM 1569

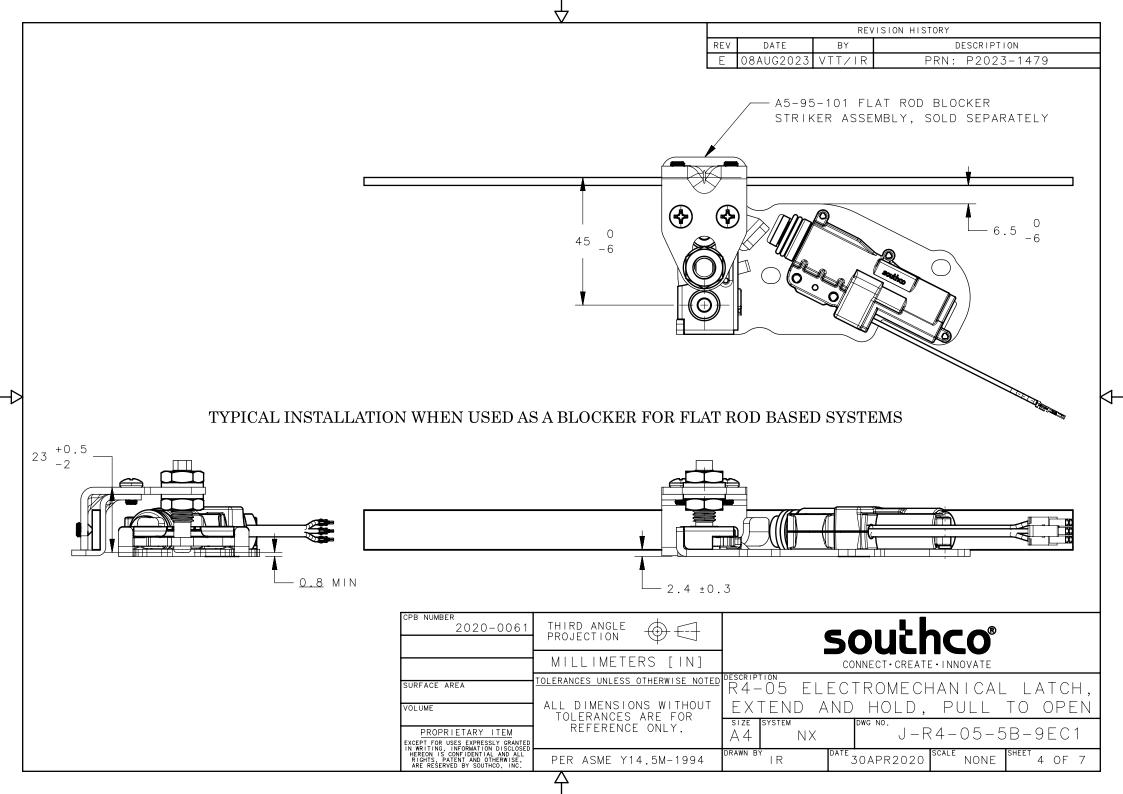
MATE FOR CONNECTOR (NOT SUPPLIED)

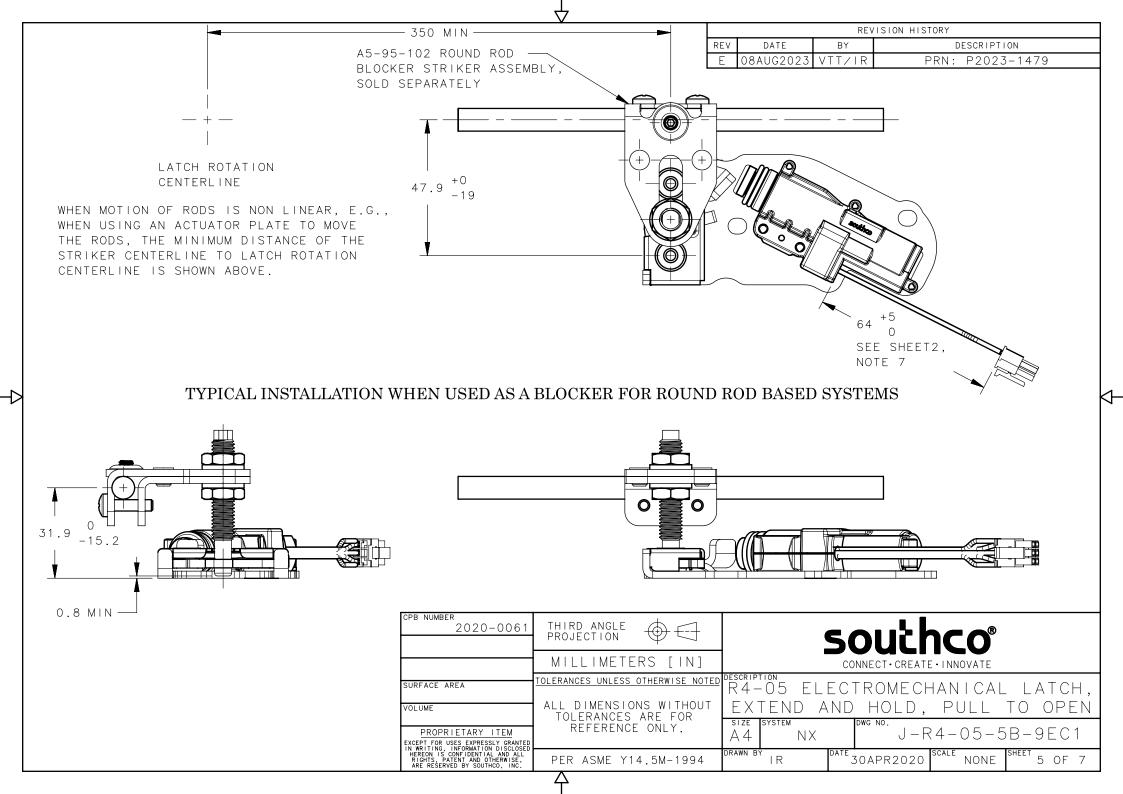
- MANUFACTURER: MOLEX, SERIES: MICROFIT 3.0 OR SBU ENGINEERING APPROVED EQUIVALENT.
- CONNECTOR PLUG 6 POSITION 3 mm VERTICAL DUAL. MOLEX P/N: 430200601 OR SBU ENGINEERING APPROVED EQUIVALENT.
- RECOMMENDED CONTACTS: MOLEX, MALE CRIMP TERMINAL (PIN), MOLEX P/N: 430310010 OR SBU ENGINEERING APPROVED EQUIVALENT.
- RECOMMENDED WIRE GAGE: 22 AWG

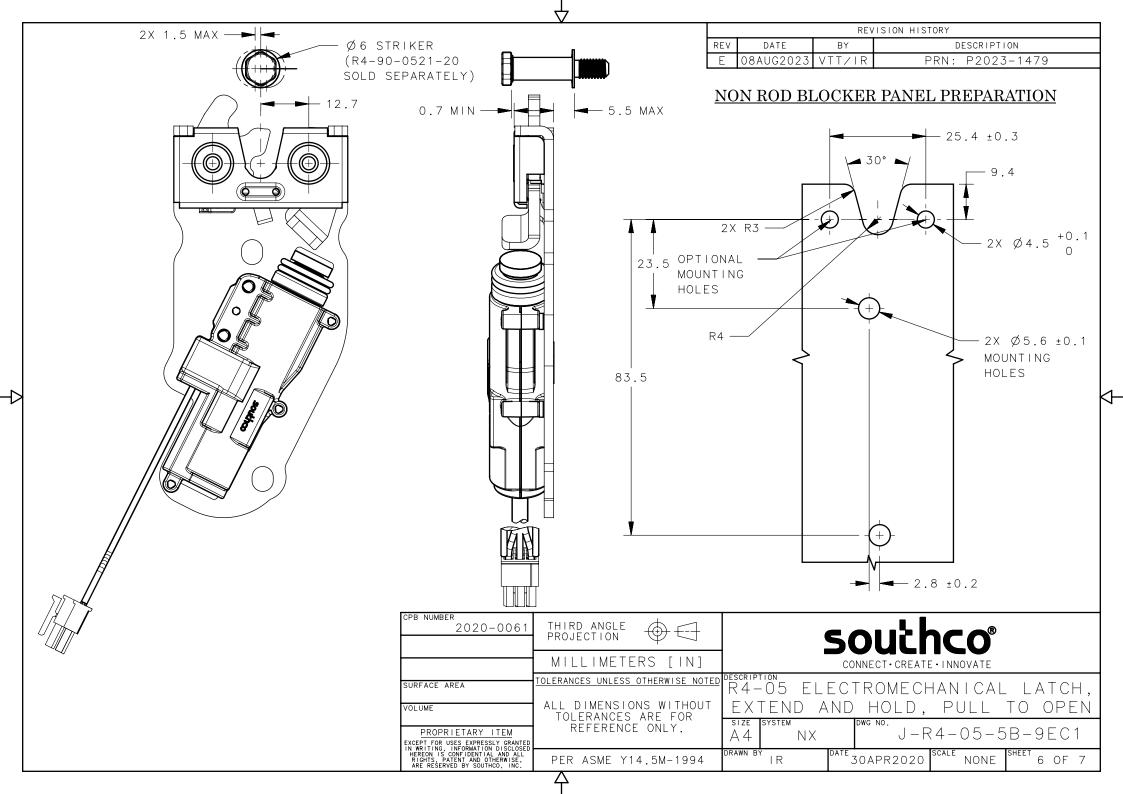
UNITS 12V 5V

- 9. LATCH ASSEMBLY WILL BE SHIPPED WITH ACTUATOR IN THE EXTENDED POSITION.
- 10. ACTUATOR APPROVED UNDER UL-508.

1 / ((/ ())) L L L	011113	12 1	J V	1		
OPERATING VOLTAGE	VDC	12±10%	5±10%		GROUND - RETRACT	- GROUND
PEAK STALL CURRENT	А	0.6 AT 12VDC	0.52 AT 5VDC		5 or 12 VDC + EXTEND	2 RED + 5 OR 12 VDC 3 ORANGE
TOTAL STANDBY CURRENT - RETRACTED	А	_	-		POWER SUPPLY	ACTUATOR
TOTAL STANDBY CURRENT - EXTENDED	А	-	_	CPB NUMBER	ELECTRICA	L HOOKUP (TWO POSITION)
CONTROL SIGNAL PULSE VOLTAGE REQUIRED FOR TRIGGER COMMAND	V	12±10%	5±10%	2020-0061	THIRD ANGLE PROJECTION	southco
CONTROL SIGNAL PULSE CURRENT REQUIRED FOR TRIGGER COMMAND	А	0.6 AT 12VDC	0.52 AT 5VDC		MILLIMETERS [IN] TOLERANCES UNLESS OTHERWISE NOTED	CONNECT · CREATE · I NNOVATE
CONTROL PULSE OR COMMAND DURATION	ms	1000	1600	SURFACE AREA VOLUME	ALL DIMENSIONS WITHOUT TOLERANCES ARE FOR	EXTEND AND HOLD, PULL TO OPEN
TYPICAL ACTUATOR TRANSIT TIME	ms	700-1000	1350- 1600	PROPRIETARY ITEM EXCEPT FOR USES EXPRESSLY GRANTED IN WRITING, INFORMATION DISCLOSED	REFERENCE ONLY.	A 4 NX DWG NO. J-R4-05-5B-9EC1
	ļ.			IN WRITING, INFORMATION DISCLOSED IN WRITING, INFORMATION DISCLOSED HEREON IS CONFIDENTIAL AND ALL RIGHTS, PATENT AND OTHERWISE, ARE RESERVED BY SOUTHCO, INC.	PER ASME Y14.5M-1994	DATE 30APR2020 SCALE NONE SHEET 3 OF 7







OPTIONAL MECHANICAL OVERRIDE PROCEDURE

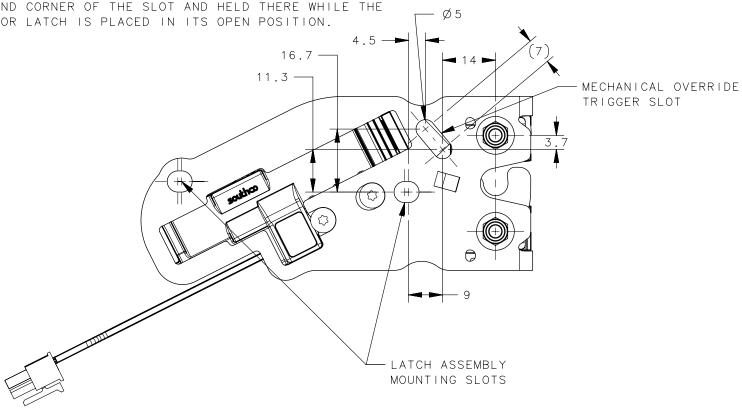
IN THE EVENT WHERE MECHANICALLY OVERRIDING THE LATCH OPEN IS NEEDED, A SLOT MUST BE CREATED IN THE DOOR PANEL. THE SLOT WILL ENABLE ACCESS TO THE MECHANICAL OVERRIDE TRIGGER. SEE DIMENSIONAL INFORMATION BELOW.

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ONCE THE SLOT IS CREATED, A SMALL SCREW DRIVER CAN BE USED TO MOVE THE TRIGGER TOWARDS THE UPPER LEFT HAND CORNER OF THE SLOT AND HELD THERE WHILE THE DOOR LATCH IS PLACED IN ITS OPEN POSITION.



CPB NUMBER 2020-0061	THIRD ANGLE PROJECTION	\oplus		9	5(outh	nco [®]	
	MILLIMETE	CONNECT · CREATE · INNOVATE						
SURFACE AREA	TOLERANCES UNLESS	OTHERWISE NOTED	R4-	-05 ELI	EC ⁻	TROMECH	HANICAL	LATCH,
VOLUME	ALL DIMENSIO TOLERANCES	ΕX			· · · · · · · · · · · · · · · · · · ·	PULL	TO OPEN	
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	PER ASME Y1	4.5M-1994	DRAWN B	IR/	DATE _	30APR2020	scale NONE	SHEET 7 OF 7