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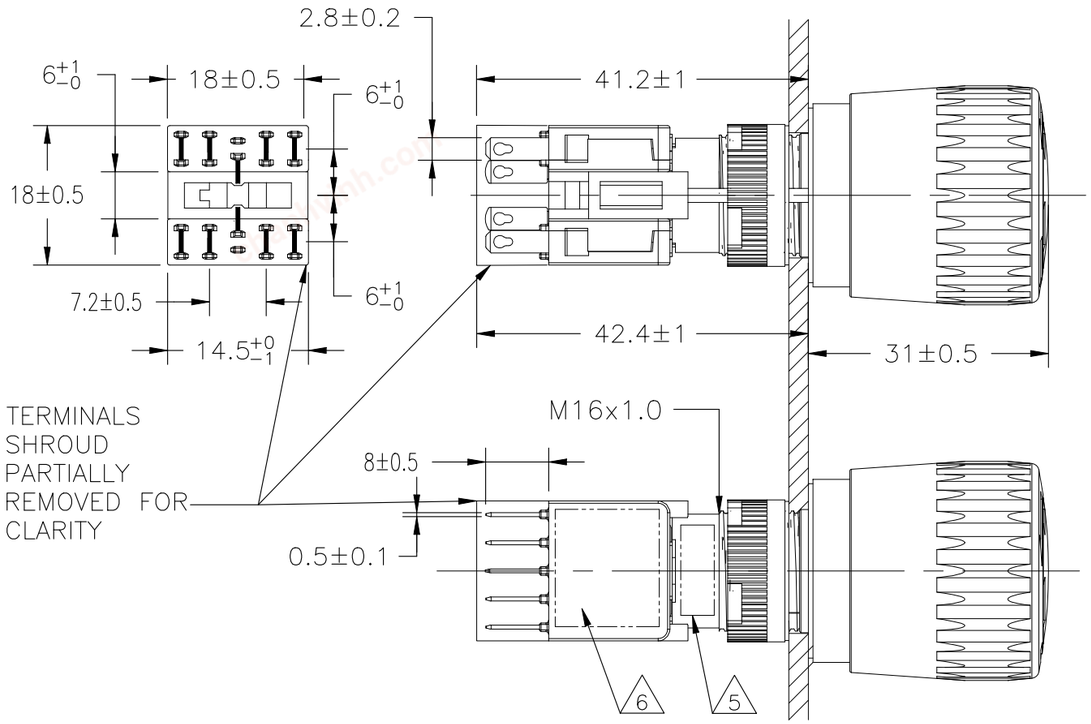
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	2	PN −6,−7 & −8 ADDED	20JUL2023	LP	MY

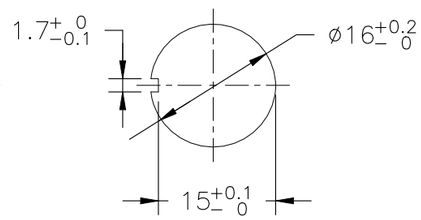
DESCRIPTION :

PBES16L □ □ R E

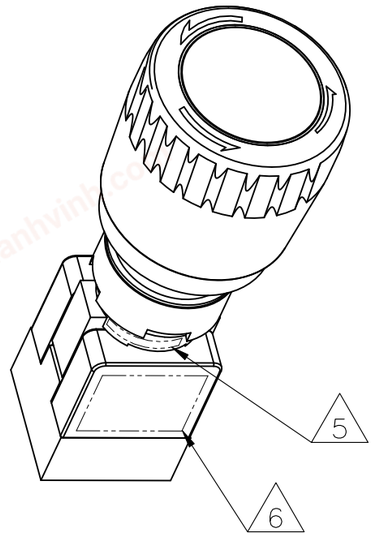
- □ (first): FUNCTION
- □ (second): LAMP: SEE TABLE, SHEETS 1

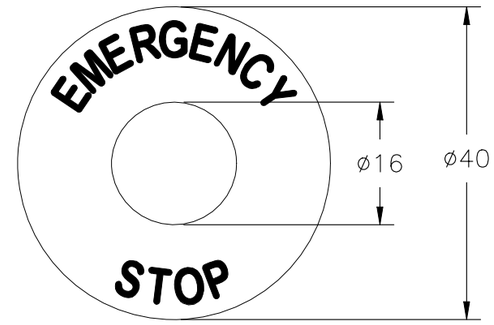
1: 000+1NC	2: 1NC+1NO	3: 1NC+1NC
000 / NC	NO / NC	NC / NC



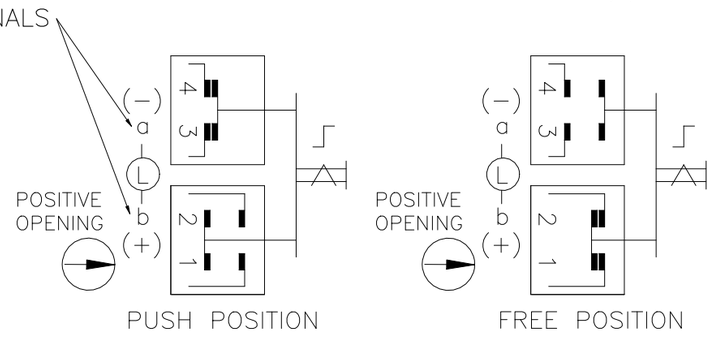


MOUNTING HOLE





IDENTIFICATION PLATE



FUNCTION DIAGRAM FOR 2: 1NC+1NO

FUNCTION	LAMP TYPE	DESCRIPTION	TE SMART PN	TE PN
1NC + 1NC	LED 12−24V AC/DC	PBES16 28 LED 12 to 24V AC/DC 11mA 1NC 1NC	PBES16L3DRE	2463582-8
1NC + 1NO	LED 12−24V AC/DC	PBES16 28 LED 12 to 24V AC/DC 11mA 1NC 1NO	PBES16L2DRE	2463582-7
000 + 1NC	LED 12−24V AC/DC	PBES16 28 LED 12 to 24V AC/DC 11mA 000 1NC	PBES16L1DRE	2463582-6
1NC + 1NO	NO LAMP	PBES16 28 NO LAMP 1NC 1NC	PBES16L1CE	2463582-5
1NC + 1NO	NO LAMP	PBES16 28 NO LAMP 1NC 1NO	PBES16L1BE	2463582-4
000 + 1NC	LED 24V DC 12mA	PBES16 28 LED 24V DC 12 mA 000 1NC	PBES16L1CE	2463582-3
000 + 1NC	LED 12V DC 19mA	PBES16 28 LED 12V DC 19mA 000 1NC	PBES16L1BE	2463582-2
000 + 1NC	LED 6V DC 28mA	PBES16 28 LED 6V DC 28mA 000 1NC	PBES16L1AE	2463582-1

PRELIMINARY

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± −
1 PLC ± −
2 PLC ± −
3 PLC ± −
4 PLC ± −
ANGLES ± −

MATERIAL −

FINISH −

DWN LINGANATHAN P 16JUN2023
CHK MANOJ YADAV 16JUN2023
APVD MANOJ YADAV 16JUN2023
PRODUCT SPEC −
APPLICATION SPEC −
WEIGHT −

TE Connectivity

NAME
SWITCH, E−STOP, PBES16L SERIES, 28MM DIA, 16MM PANEL DIA
−

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C−2463582	−

CUSTOMER DRAWING

SCALE NTS | SHEET 1 OF 3 | REV 2

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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

PRODUCT SPECIFICATIONS :

MECHANICAL LIFE : > 100,000 OPERATIONS
ELECTRICAL LIFE : > 50,000 OPERATIONS
MOTION TOLERANCE : < 20 OPERATIONS / MINUTE
(MECHANICAL AND ELECTRICAL LIFE)
DEGREE OF PROTECTION : IP 65
PANEL THICKNESS : 0.5 mm TO 5 mm
MOUNTING TORQUE : 1.1 N–m
MAX. INSULATION VOLTAGE : 1500VAC, 60Hz, 10mA, 1MINUTE
INSULATION RESISTANCE : 100 MΩ @ 500VDC, 100mA, 1MINUTE
STORAGE TEMPERATURE : –40°C TO +85°C
OPERATING TEMPERATURE : –25°C TO +55°C
(–25°C TO +70°C WITHOUT LAMP)
CONTACT RESISTANCE : <= 50 mΩ (INITIAL)
OPERATING FORCES : PUSH–LOCK 20^{+0}_{-10} N, TURN–RESET 0.06 N–m
OPERATING TRAVEL : PUSH–LOCK $3.6^{+0}_{-0.6}$mm, TURN–RESET CCW 30°
POLLUTION DEGREE : 3
CONDITIONAL SHORT–CIRCUIT CURRENT: 1000A
ELECTRICAL RATINGS:

RATED INSULATION VOLTAGE (*Ui*)	300V	
CONVENTIONAL ENCLOSED THERMAL CURRENT (*I*the)	5A	
RATED OPERATIONAL VOLTAGE (*Ue*)	125V	250V
UTILIZATION CATEGORY	RATED OPERATIONAL CURRENT (*Ie*)	
AC–15	3	1.5
DC–13	0.22	0.11

U_{imp} : 2.5kV

APPLICABLE STANDARDS : EN/IEC 60947–5–1, EN/IEC 60947–5–5

MATERIALS :

① ACTUATOR HOUSING : POLYPHTHALAMIDE (UL94–V0), BLACK
② CONTACT BLOCK HOUSING : POLYPHTHALAMIDE (UL94–V0)/
POLYBUTYLENE TEREPHTHALATE (UL94–V0),BLACK/WHITE
③ ACTUATOR : POLYAMIDE (UL94–V0), RED
④ GASKET : RUBBER, BLACK
TERMINAL / CONTACT : COPPER ALLOY WITH SILVER ALLOY, Au PLATED
⑤ MOUNTING RING : POLYCARBONATE, PC(UL94–V0), BLACK

NOTES:

1. COMPLIANCE: THE CURRENT STATEMENT OF COMPLIANCE IS AVAILABLE AT TE.COM.
2. NAME PLATE IS PACKAGED SEPARATELY FROM THE SWITCH.
3. AGENCY CONFORMANCE – UL AND TUV,
4. REFERENCE TE PACKAGING LABELS FOR AGENCY INFORMATION.

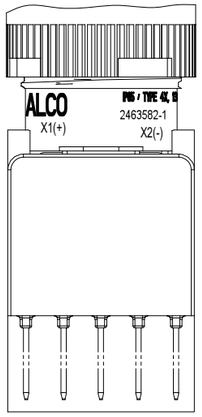
5 PART MARKING:
ACTUATOR LABEL MARKING:

ALCO IP65/TYPE 4X.13 TE
X1(+) □-2463582–1–□ X2(–)

TE PART NUMBER,
SEE TABLE, SHEETS 1

6 PART MARKING:

FUNCTION TERMINAL BLOCK 000



FUNCTION TERMINAL BLOCK NC



FUNCTION TERMINAL BLOCK NO



PRELIMINARY

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – 1 PLC ± – 2 PLC ± – 3 PLC ± – 4 PLC ± – ANGLES ± –
MATERIAL –	FINISH –

DWN	LINGANATHAN P 16JUN2023
CHK	MANOJ YADAV 16JUN2023
APVD	MANOJ YADAV 16JUN2023
PRODUCT SPEC	—
APPLICATION SPEC	—
WEIGHT	—
CUSTOMER DRAWING	

TE Connectivity

NAME
SWITCH, E–STOP, PBES16L SERIES, 28MM DIA, 16MM PANEL DIA
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C–2463582	—

SCALE	SHEET	REV
NTS	2 OF 3	2

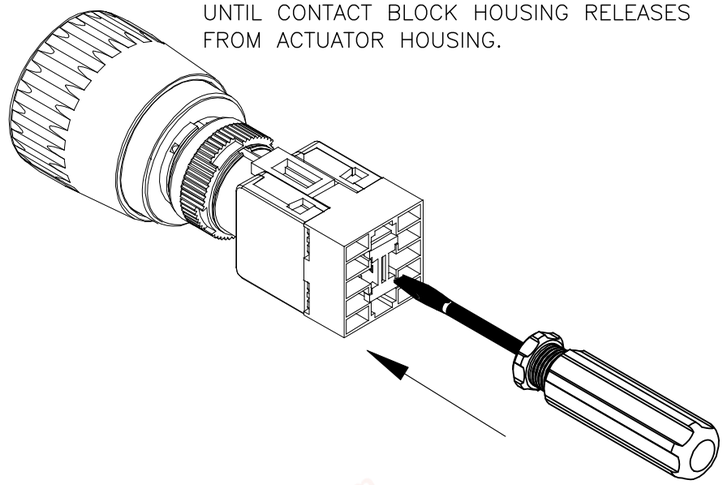
1470–19 (1/15)

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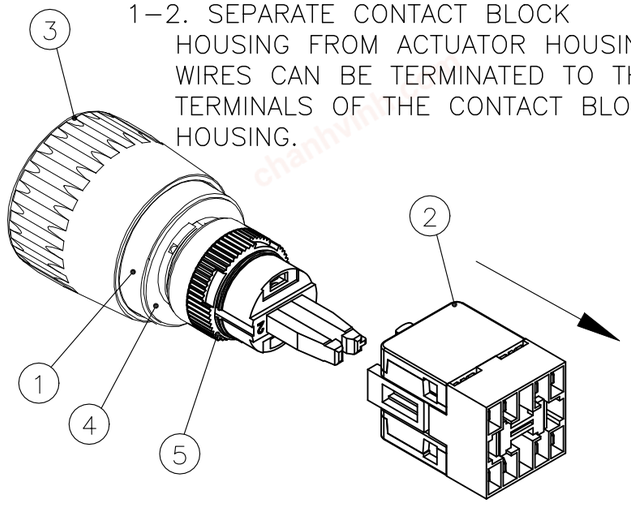
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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

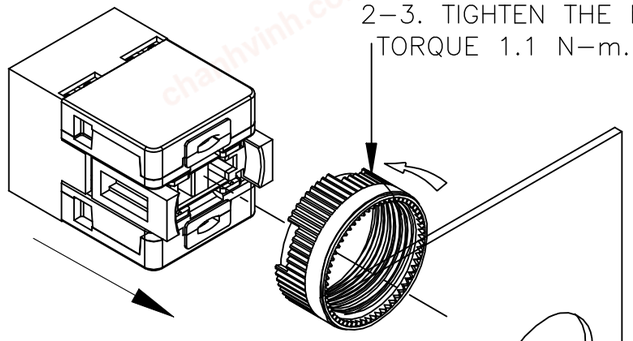
1–1. DEPRESS RELEASE TAB WITH SCREWDRIVER UNTIL CONTACT BLOCK HOUSING RELEASES FROM ACTUATOR HOUSING.



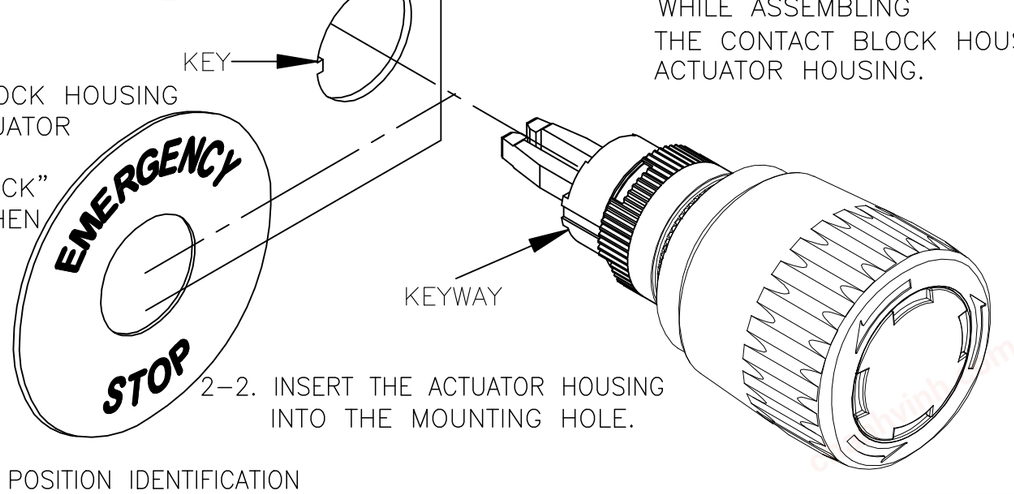
1–2. SEPARATE CONTACT BLOCK HOUSING FROM ACTUATOR HOUSING. WIRES CAN BE TERMINATED TO THE TERMINALS OF THE CONTACT BLOCK HOUSING.



2–3. TIGHTEN THE MOUNTING RING, TORQUE 1.1 N–m.

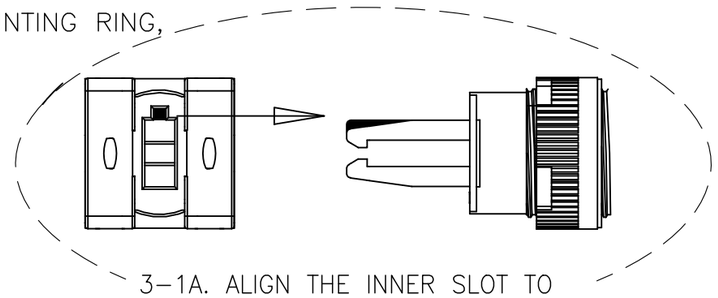


3–1. INSTALL THE CONTACT BLOCK HOUSING TO THE ACTUATOR HOUSING. AUDIBLE "CLICK" SOUNDED WHEN SEATED.



2–2. INSERT THE ACTUATOR HOUSING INTO THE MOUNTING HOLE.

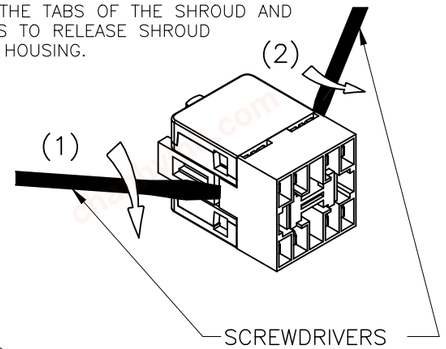
2–1. POSITION IDENTIFICATION PLATE OVER THE MOUNTING HOLE.



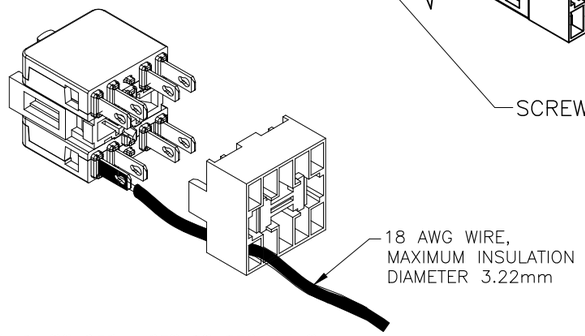
3–1A. ALIGN THE INNER SLOT TO THE RIB ON THE PLASTIC HOOK WHILE ASSEMBLING THE CONTACT BLOCK HOUSING WITH THE ACTUATOR HOUSING.

SOLDER TERMINATIONS:

4–1. REMOVE TERMINAL SHROUD–AFFIX TWO SCREWDRIVERS ABOUT THE TABS OF THE SHROUD AND GENTLY APPLY FORCE SO AS TO RELEASE SHROUD FROM THE CONTACT BLOCK HOUSING.



4–2. ROUTE WIRE THROUGH THE TERMINAL SHROUD.

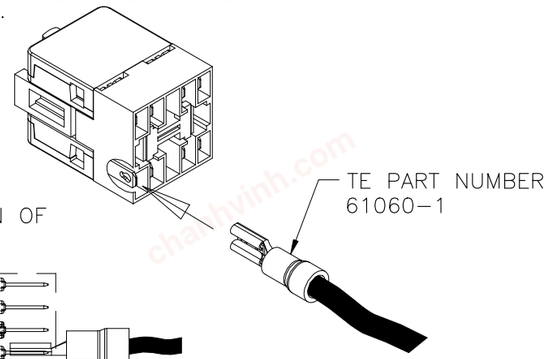


4–3. SOLDER WIRES TO TERMINALS. SOLDERING TEMPERATURE IS 360°C FOR 3 SECONDS.

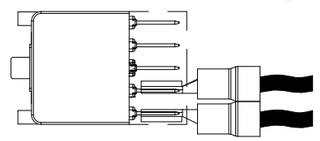
FASTON TERMINAL TERMINATION:
NOTED LAMP TERMINALS ARE LABELED A– AND B+

4–1. CRIMP TE FASTON RECEPTACLE 110 SERIES TERMINAL PART NUMBER 61060–1 TO 18 AWG WIRE, MAXIMUM INSULATION DIAMETER 2.54MM

4–2. MATE THE TERMINAL TERMINATED TO WIRE TO THE TERMINAL OF THE SWITCH.



4–3. ORIENTATION OF TERMINALS.



PRELIMINARY

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN LINGANATHAN P 16JUN2023	TE Connectivity
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – 1 PLC ± – 2 PLC ± – 3 PLC ± – 4 PLC ± – ANGLES ± –	CHK MANOJ YADAV 16JUN2023	NAME SWITCH, E–STOP, PBES16L SERIES, 28MM DIA, 16MM PANEL DIA –
		APVD MANOJ YADAV 16JUN2023	
		PRODUCT SPEC —	
		APPLICATION SPEC —	
MATERIAL –	FINISH –	WEIGHT –	SIZE A3 / CAGE CODE 00779 / DRAWING NO C–2463582 / RESTRICTED TO —
		CUSTOMER DRAWING	SCALE NTS / SHEET 3 OF 3 / REV 2