

Model No.:

Description: **Pit Switch**



Salient Features:

- Aesthetically elegant
- Self Wiping Contact
- Robust Construction
- Simple to fix
- Safe operation
- Good flame resistance
- Shrouded Emergency Stop to prevent accidental operation
- Long life
- Push to Off Pull to run function
- For lift function

General Characteristics:

It consists of box yellow cover black case fitted with one push to ON pull to release Emergency Pushbutton. It includes a metal bracket for easy fixing. It is provided with a shroud to prevent accidental actuation.

BOX: The box is made of ABS (Acrylonitrile-butadiene styrene). It is composed of a case and a cover, joined together with screws. When with all switching components and cable installed, it assures protection class IP65 as per IEC 60529 & 4X,12 as per UL50. Box bottom wall has openings for: One PG13.5 cable gland. The box is permanently marked: PUSH TO STOP PULL TO RUN on cover & is resistant to water, mild solvents and wear out. Marking height is minimum 3 mm. It has two holes for the fixation of the panel to a concrete wall, accessible without the need of box opening, suitable for usage with two 4 mm diameter screws and 2 wall dowels, part of the pit box supply.

Box cover is stiff enough to prevent its breaking by the operating forces of the stop switch.

CONNECTORS: NA

STOP SWITCH: Refer attached DATA SHEET FOR EMERGENCY STOP PUSHBUTTON, PUSH TO STOP, PULL TO RELEASE.

ECOLOGICAL REQUIREMENT:

Teknic ensures the fulfillment of the following ecological requirements

Prohibited Substances:

The product shall not contain any hazardous substances restricted by RoHS Directive 2011/65/EC.

Substances to be avoided:

The use of hazardous substances as listed below is avoided: Chromium VI for metallic surface coatings, zinc layers and pigmented plastics

Available types

3023A10 Pit switch w/o metal bracket



3024A10 Pit Switch with bracket



Degree of protection

: IP65 as per IEC 60529 & 4X,12 as per UL50

Degree of Pollution

: 3

Applicable standards

UL508
IEC 60947-5-1 & 60947-5-5
CSA 22.2

Product Certification

CE c  US

Mechanical Characteristics:

Function indicator		: Front Viewing: PUSH TO STOP PULL TO RUN on cover : Side Viewing: Green band for unactuated position
Terminal Capacity of contact block		: Maximum 2X1.5mm ² or 1X 2.5mm ² : Minimum 1X0.5mm ²
Terminal marking on contact block		: 1NC 2
Terminal Torque on contact block	Nm	: 0.8 Screw head compatible with Posidrive or Phillips screw driver
Contact material of contact block		: Brass terminal, Silver rivet gold plated (Low Voltage application)
Operation of contact block		: Slow make/break
Operating torque of contact block	Nm	: 0.8
Operating force of Emergency Stop	N	Push: 30 Pull: 20
Positive operation Conforming to IEC/EN 60947-5-1 Appendix K		: All functions incorporating a NC contact are positive opening operation
Operating travel	Mm	: 5
Mechanical life		Element: over 2 million operations Emergency Stop: 0.1 million operations
Ambient	°C	: -25 to +70
Storage	°C	: -25 to +40
Overall Dimensions with sketch (LXBXH)	Mm	<p>GREEN COLOUR BAND</p> <p>UNACTUATED POSITION</p>
Vibration resistance Conforming to IEC 60068-2-6	Hz	: Emergency Stop: 8g acceleration; frequency 40-500Hz
Shock resistance Conforming to IEC 60068-2-27		Emergency Stop: 3 shocks at 15g acceleration & 11ms; total 18 shocks.
Viewing Angle	°	NA
Optical Axial intensity	mcd	NA
Weight	gms	3022A10: 200 3023A10: 150 3024A10: 720

Electrical Characteristics of contacts:

Make & Break Capacity		: AC15: 415VAC, 4A DC13: 0.5A, 110VDC As per CSA C22.2 no. 14-05, UL 508: A600, Q600
Rated insulation voltage	V	AC15 V 24 120 230 A 4 3 2 DC13 V 24 110 A 0.5 0.2
Rated thermal current	A	: 500
Low power application		: 10
Short circuit protection		: Gold plated contact elements for low voltage low current switching circuits , <25mA
Dielectric Test	KV	: 10A HRC cartridge fuse, rated for resistive Loading
Approvals regarding the part:		: 2.5
Approvals regarding the material		: UL, CSA, VDE, CE & ASTA
Polymeric parts		
Rated Impulse Withstand		: UL-Recognized material
Polarity protection		: 500V
Current Consumption	mA	: NA
Electrical Endurance		: NA
		: Conforming to IEC/EN 60947-5-1 Annexure C

Accessories & codes:

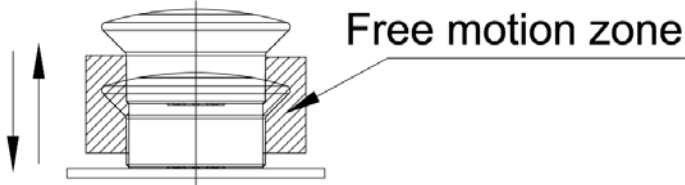
NA

Ordering codes

3 ↓ SERIES 3=Plastic Series	0 2 2 ↓ RUNNING NUMBERS	A ↓ SIZE A=One way 68mmX 68mm	1 0 ↓ COLOUR CODE OF HOUSING & COVER 10=Yellow Cover Black Housing
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Mounting Instructions:

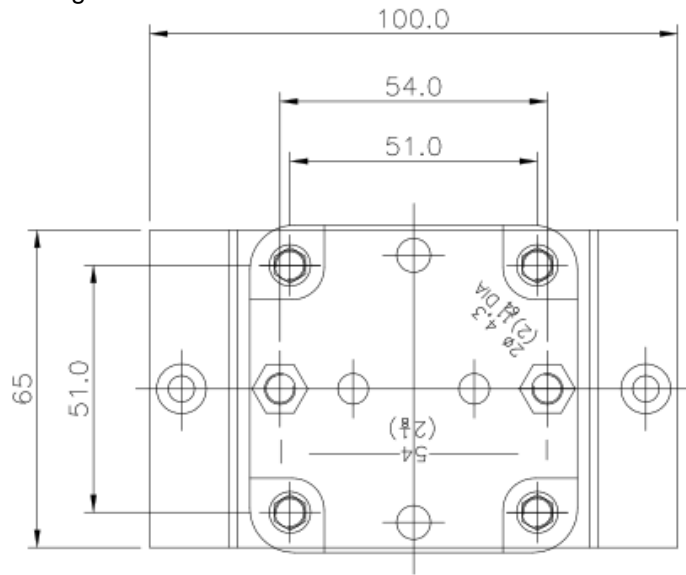
Safety regulations: This unit may be installed & commissioned by personnel who are familiar with current regulation for health & safety at work & accident prevention. Ensure local regulations are met especially those relating to safety. This is for use on flat surface of type 4X, 12 enclosure.



Ensure that this actuator will operate fully after installation. Failure to follow these will result in death or serious injury.

Mounting

: Fixing Centers:



No of elements possible

: NA

If any difficulty or malfunctioning is observed, kindly contact our Marketing Department at +91-22-42532500 or email at ram.talreja@teknico.in