

**Pull-key Zinc Standard Tension
PKEY3002**





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Overview

The Pull-key Zinc Standard Pull-key forms part of a conveyor protection system. This device can be installed along or around awkward machinery such as conveyors and provide a constant emergency stop access.

- a. The device features a positive mode mechanism that ensures that switch contacts are opened on either actuating of the red mushroom head emergency stop button or one of the pull shafts on either side of the switch. The switch can only be reset by the intentional action of turning the blue reset knob.
- b. A mushroom head emergency stop button provides E-Stop access even at the extreme ends of the span.
- c. A Minimum of 1 NO and 2 NC contacts are provided.
- d. Sealed to IP66 with a rugged construction using die-cast Zinc to withstand harsh conditions.



Figure 1: Pull-key Zinc Standard Tension



Pull-key Zinc Standard Tension PKEY3002

Features and Benefits

- Rugged Construction
- Die cast Zinc and stainless-steel components
- Minimum of 2 NC contacts and 1 NO contact
- Simple Installation
- Connected PCB

Specifications

Description	Specification
Safety Ratings	
Standards	IEC 60947-5-1
Outputs	
Safety Contacts	1 N.C Direct opening action / 2 NC Direct Opening Action
Auxiliary Contacts	1 N.O Direct Opening action/ 2 N.O Direct Opening Action (Optional)
Rated Insulation Voltage	(Ui) 400V Uimp 6KV
Switching current at Voltage, min	1.5A
Utilization Category	
AC15	(Ue) 230V (Ie) 1.2A
Operating Characteristics	
Cable Span between switches (Max)	100m
Tension Force to Run	80N typical (Pigtails installed 3m apart)
Tension Force to Lockout (trip)	180N typical 300mm deflection
Actuation Frequency	1 cycle/s
Mechanical Life	100 000 operations
Environmental	
Enclosure Type Rating	IP65
Operating Temperature	0 – 60 degrees
Physical Characteristics	
Housing Material	Heavy Duty Al/Zinc Die Cast alloy
Shaft Bellow Material	Neoprene Rubber
Eye Nut Material	Heavy Duty Al/Zinc Die Cast alloy
Weight	5.2Kg
Colour	Yellow body, Blue Reset Knob, Red Estop button

Table 1 Specifications

Wiring Diagram

PULL SWITCH CONNECTION TOPOGIES

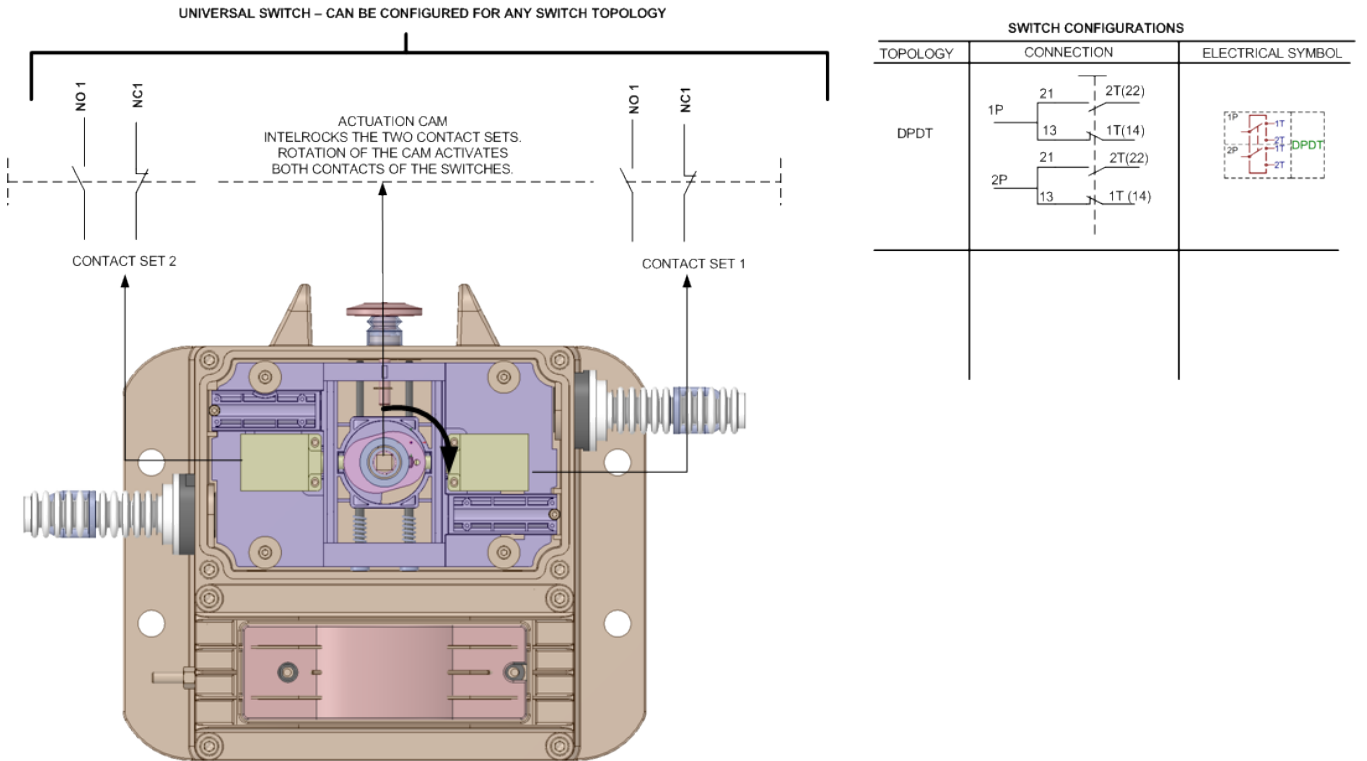


Figure 2 Switching Topologies

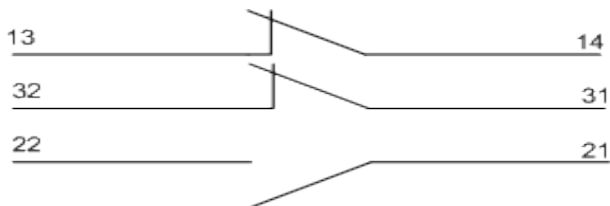


Figure 3: Schematic Drawing

Mechanical Drawings

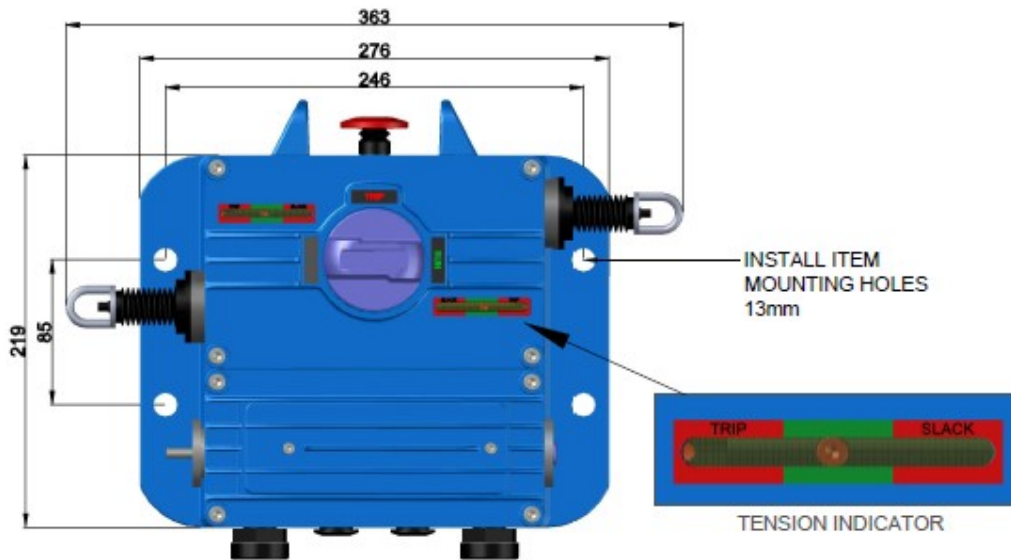


Figure 4: Mechanical Dimensions – Supply 2 Glands Only



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