

1. General :

This Switch complies with international standard IEC 60947-1, IEC 60947-3 & IEC 60947-5.

This product must be used after mounting in panel with hardware supplied, with wires permanently connected to terminals as specified.

2. Meaning of symbols :

CE - European Conformity Mark

—○— Switch/Disconnecter Symbol

3. Specification :

Refertechanical data chart.

4.EquipmentInstallation:

* Due consideration should be given to spacebehindthecamswitchtoallowfor bendsinconnectingcables.

* The products do not have internal protection against overload & short circuit,hence external safety protection should be provided. It is recommended to install protective device near a equipment.

*Select mounting location which is protected from water on front and backsideofswitch.

* Ensure that wires do not remain undertension.

5.Operation&Maintenance:

* Equipment must be installed & maintained by suitably qualified person.

*Ifequipmentis usedin amanner not specified by manufacturer, the protection provided by the equipmentmaybeimpaired.

* Disconnect supply before installation of Switch and during maintenance.

* Ensure that cables are properly tightenwithselflifting screw.

6. Testing :

* Cables should be connected at specified position as shown in connectiondiagram.

* It is recommended to test the switch before installation as per connection diagram using multimeter.

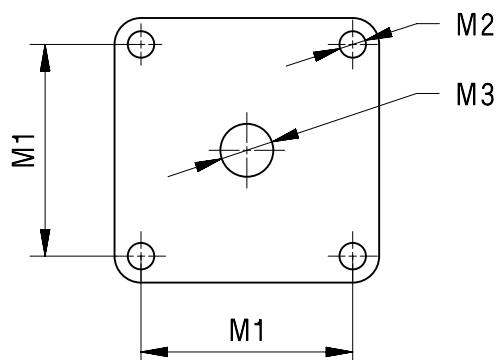
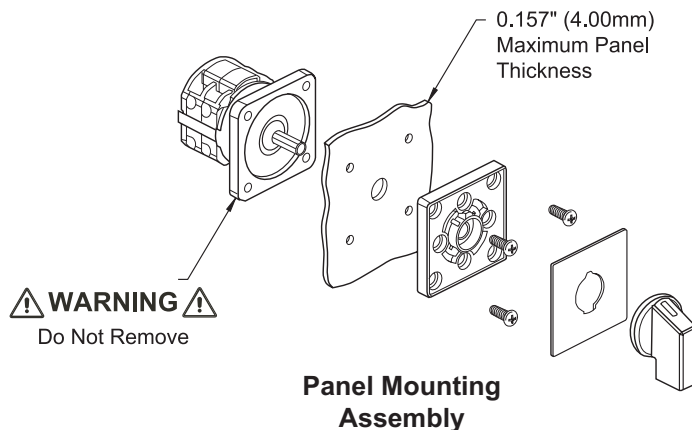
7. Servicing of Cam Switches :

*Camswitchneednotrequiredtobe servicedifproperfuseprotectionand dust protection are provided. Howeverifcontactfailureoccursdue to accumulation of dust near contact area,dustcanbecleanedbyblowing air.

*Ifcontactareslightlyweldeddueto insufficient fuse protection, weld can be opened by forcibly operating the knobtoalimitedextent.

⚠ NOTICE ⚠

Thisproducthasbeendesignedfor environmentA.Useofthisproduct in environment B may cause unwanted electromagnetic disturbances in which case the user may be required to take adequatemitigationmeasures.



Panel Cutout Details

Type	M1	M2	M3
Epsilon 25A	48	4	12
Epsilon 32A	48	4	12

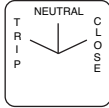
Technical Data

Conformance to standards : European : IEC 60947-1 IEC 60947-3 IEC 60947-5 Indian : IS 13947-1/3/5		Operating Conditions : Frequency : 50/60 Hz Operating Temp. :-25 °C to 60 °C Over voltage category : III Storage : -40°C to 80°C Max. Altitude : 2000 m IP: 50 Front		Switch Life : Mechanical Life : 1 Lac operations @ 300 Cycles/hr Electrical Life : 10,000 operations @ 100% Rated duty at 120 cycles/hr Contacts : Double break type AgNi Double break type AgCdO	
Parameter		Unit	25A	32A	
Rated operational voltage (Ue)		V	690	690	
Rated Insulation voltage (Ui)		V	690	690	
Rated operational current (Ie)		A	25	32	
rated uninterupted current (Ith)		A	32	40	
Rated Impulse withstand voltage (Uimp)		KV	6	6	
Rated short time withstand current (Icw)		(1s- Current)	A	300	384
Rated Fuse short circuit current		KA	10	10	
Fuse size (Type gG /gM)		A	25	32	
AC23A 3phase		220-240V	KW	4.7	5.5
		380-440V	KW	7.5	11
		500V	KW	11	15
		660-690V	KW	11	15
AC23A 1phase		110V	KW	1.5	2.2
		220-240V	KW	3	3.7
		380-440V	KW	5.5	7.5
AC3 3phase		220-240V	KW	4.7	5.5
		380-440V	KW	7.5	11
		500V	KW	11	15
		600-690V	KW	11	15
AC3 1phase		110V	KW	1.5	2.2
		220-240V	KW	3	3.7
		380-440V	KW	5.5	7.5
AC21A/AC1			A	25	32
AC15		220-240V	A	8	14
		380-440V	A	5	6
Terminal cross -section					
Single / Multiple		Min	mm ²	2.5	2.5
		Max	mm ²	4	6
Fine strand with sleeve		Min	mm ²	1.5	1.5
		Max	mm ²	4	4
Terminal screw			Metric	M4	M4
Terminal tightening torque			Nm	1.2	1.2

* Rated short time withstand current (0.5s- current)

Instruction Manual

EPSILON TNC SERIES

SR. NO.	DESCRIPTION CONNECTIONDIAGRAM/TERMINALMARKING	NO.OF STAGES				
1	Trip Neutral Close (TNC) Switch				1-2	
	OUTPUT SIDE	1A	1B	1C		1D
	 					
	INPUTSIDE	LA	LB	LC		LD
	POLES	1		2		
	NEUTRAL					
	TRIP	X		X		
	CLOSE		X			X
	Offered up to 2 poles					



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