



ROTARY CAM SWITCH & BREAKER CONTROL SWITCH



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► ABOUT gorlan india

Gorlan India aspires to be a reliable manufacturer of rotary cam switch, breaker control switch, AC switch disconnecter, ON load CHO & DC switch disconnecter to a wide gamut of industries addressing diverse applications. As part of the Spanish industrial group Gorlan it is strongly committed to, product innovation, customer satisfaction and offering value for money.

It's global presence and a deep knowledge of the local markets has enabled the group to develop a wide portfolio of products to meet the standards prescribed by IEC. The ability to customize solutions is the group's USP.

Design, Engineering and Manufacturing of AC and DC Low Voltage Switchgear products to meet the growing requirements of the Indian market.

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Telergon is the switch specialist that anticipates its customers' needs through the research, design, manufacture and commercialization of low voltage power switching products and solutions.

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Pronutec is considered one of the leading companies specialised in fabrication and marketing of capital goods for the low voltage switchgear sector.

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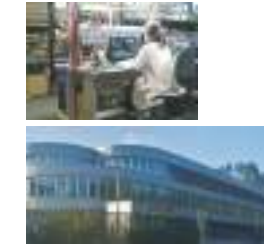
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Merytronic is a company with a high added value in research, development and production of electronic equipment, both fixed and portable, for monitoring, control and indication of electronic distribution networks.

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Pronutec GmbH. After many years of experience in the German market, Pronutec GmbH was established to provide customers a more personalized and direct service.

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Inaselec Assembly is a recent established Company within Gorlan group, is devoted to the manufacturing activity. As a result of this exclusive dedication to the manufacture and assembly by means of the most developed and modern systems, as well as rigorous quality controls, Inaselec offers as excellent end product.

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TFV/G DC Switches



Changeover switches manual and motorized



Bypass changeover switches manual and motorized



AC Switch disconnectors manual and motorized



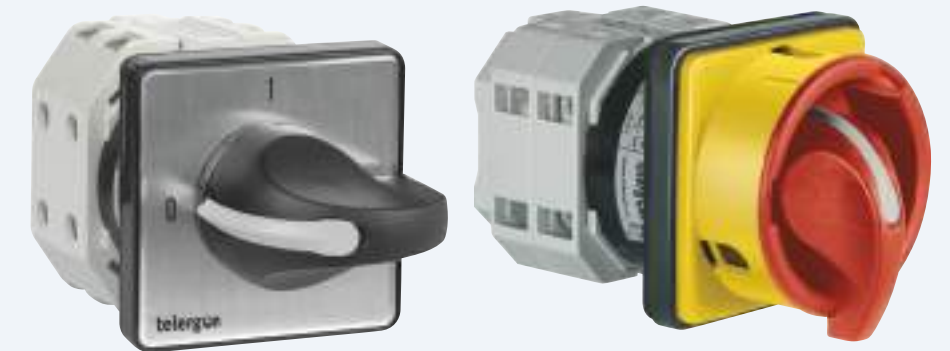
DC Switch disconnectors manual and motorized



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GT ROTARY CAM SWITCH



Standards: IEC 60947-1 & 3
Quality



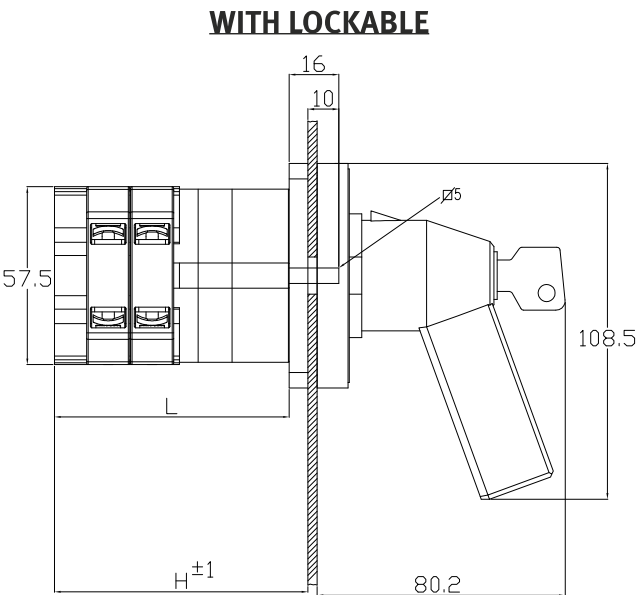
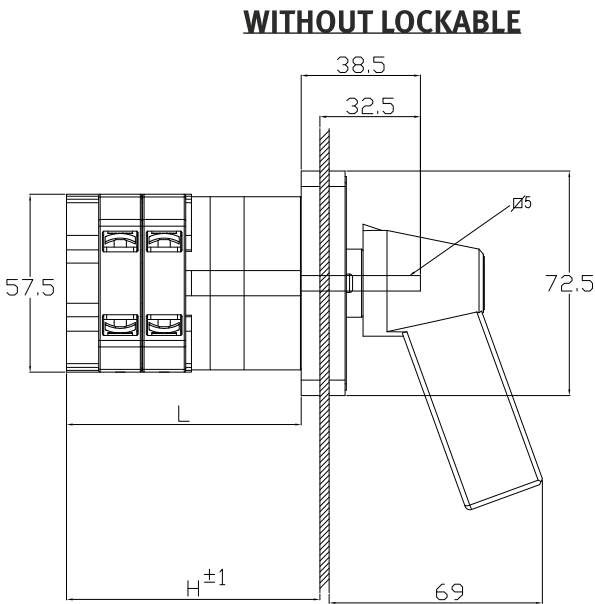
In GT rotary cam switch cams determine the function of the switch and since this is achieved by rotation it is called a rotary cam switch. GT rotary cam switch offers the flexibility of switching multiple positions and controlling multiple circuits with different current ratings. Various accessories like padlock, clutch device, co-axial coupling, tandem drive & key lock device enable one to use GT rotary cam switch in different applications.

Rotary cam switch consists of chambers that contain two double break contacts which are made of silver alloy that are resistant to electric arcing and welding thus providing a long electromechanical life. Special programs are made according to customers' specifications to comply with an electrical diagram or a special scheme. GT with its versatile mounting options, different colour combinations & a variety of handles and customized script plates makes it a perfect choice for all switching requirements.

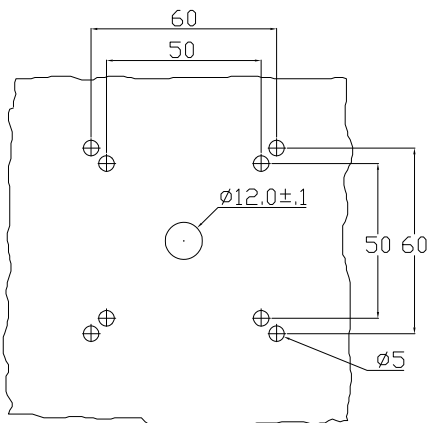
SALIENT FEATURES:

- Capability to select up to 36 ways and switch 72 contacts at the same time
- Wide current rating - 6A to 800A
- Available in two models - T&TP
- Make before break switches are supplied on request
- Compact and universal mounting dimensions
- IP 65 protection available in flush mounting
- Shaft damage eliminated by a unique mechanism
- Separate enclosures in plastic and sheet steel provided
- Switches rated for AC-23A duty complying with IEC/EN 60947-3 specifications
- Use of flame retardant plastic in parts housing contacts and areas prone to heat generation
- UL marked switches are supplied on specific request with Telergon brand

Dimensions



DRILLING PLAN



Type	Chambers	1	2	3	+
Spring Return	L	50.7	64.9	79.1	14.2
	H	56.7	70.9	85.1	
With Seq Lock	L	61.7	75.9	90.1	14.2
	H	67.7	81.9	96.1	

► ELECTRICAL DATA

Thermal current I _{th}	25A	32A
Rated impulse withstand voltage U _{imp} (kV)	6kV	6kV
AC rated operational current, I _e	25A	32A
AC rated operational voltage U _e	415V	415V

AC Rated operational power, P_e

Voltage	Category of operation	P _e	P _e
3x415 V	AC23A	11 KW	11 KW
3x415V	AC3	7.5KW	7.5KW

Short-circuit behavior

Rated max.current of gL-gG fuses	25A	32A
Conditional short-circuit current (rms value)	10KA	10KA

Connection capacity

Rigid copper conductor (mm ²)	2x6	2x6
Flexible copper conductor (mm ²)	2x4	2x4
Mechanical durability (millions)	1	1
Ambient temperature (maximum)	55°	55°

DC Breaking capacity per single pole. Refer table below:

DC BREAKING CAPACITY					
Volts DC	No.of contacts	Resistive	Inductive 10ms	Inductive 20ms	Inductive 40ms
50	1	25	20	15	6
125	1	4	4	3	1.5
250	1	3	2.5	2	0.5

Note: To achieve more breaking capacity for different time constants and voltages 50V/125V/250V, two or more contacts are to be connected in series. A maximum of two contacts in series is recommended.

► ACCESSORIES

Arrow Handle



Padlock



Clutch Device



Key lock Device



Coaxial Coupling



Din Rail Device



Switch in Enclosure



Extended Terminals



► CODIFICATION

Code

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

Series | Amp

T-00012
T-00020

Diagram

Posit. 0 1		Chambers
1	X	00010
2	X	00011
3	X	00012
4	X	00013
5	X	01015
6	X	01016
7	X	01017
8	X	01018
9	X	01019
10	X	01010
11	X	01011
12	X	01012

Type

Model or fixing

E

F

Rated Duty | Angle

- 1-AC21 A
- 2-AC23 A

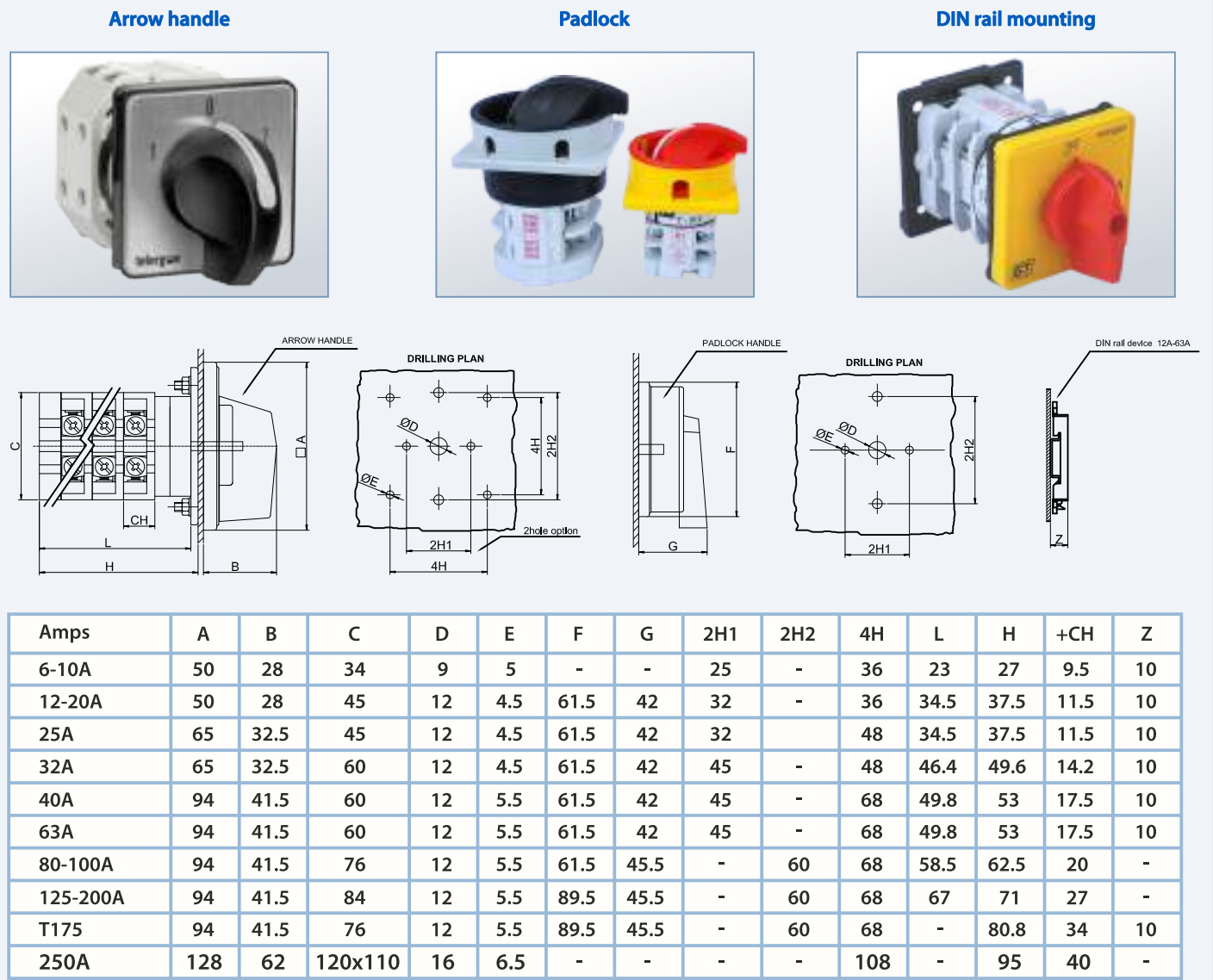
Plate and handle

Arrow handle

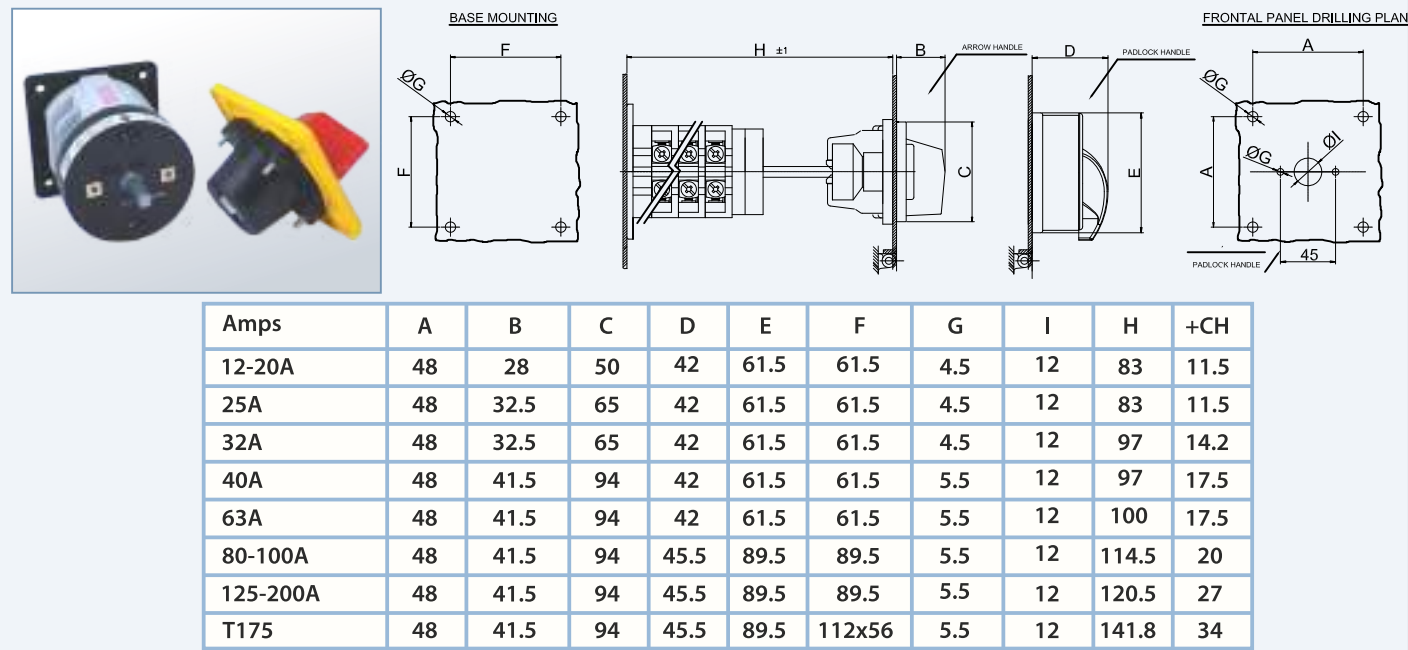
Padlockable handle "mini"

Padlockable handle

► Dimensions



Clutch device (with and without door Interlock)



GT BREAKER CONTROL SWITCH



Standards: IEC 60947-1 & 3
Quality

ISO 9001:2015



GT Breaker Control Switch (BCS) is used to operate circuit breakers in a power circuit and in applications where frequent operations are required. BCS as it is popularly called is supplied with different combinations of contacts starting with basic configuration, 1 NO +1NC.

GT Breaker Control Switch has three positions of switching namely TRIP, NEUTRAL & CLOSE. The handle comes back to the "NEUTRAL" position after making momentary contact on either side namely "TRIP & CLOSE". This is made possible by the spring return mechanism. Thus BCS is essentially a spring return switch. BCS also incorporates sequence lock and lost motion device (LMD).

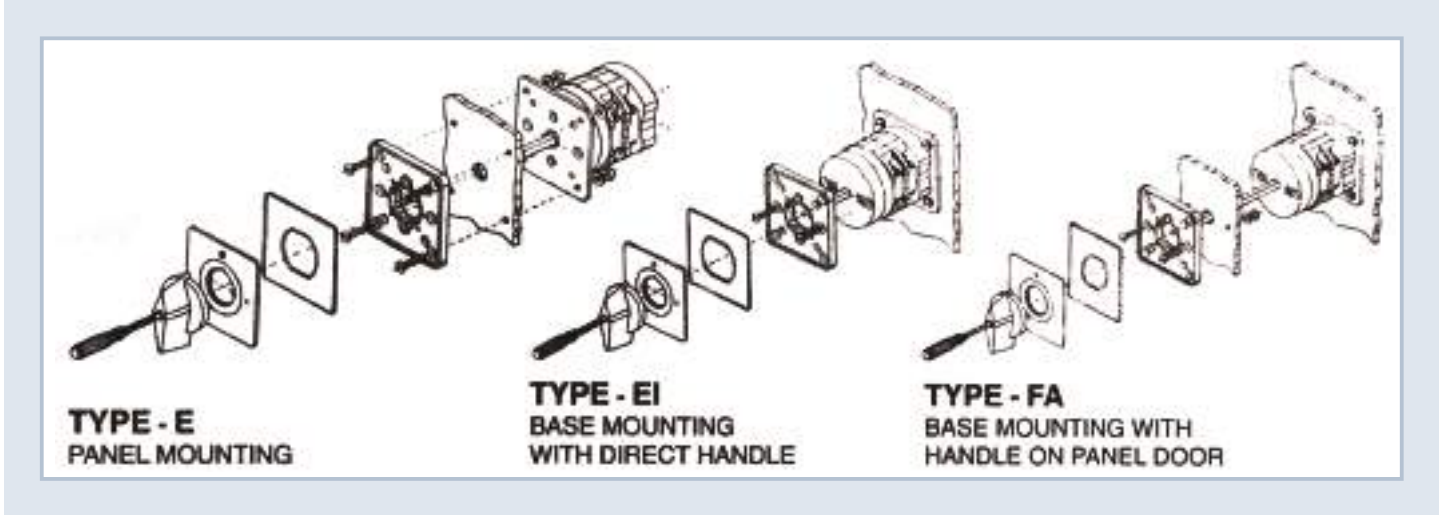
TYPES:

- Spring return switch
- Spring return and lost motion
- Spring return and sequence locking
- Spring return, lost motion and sequence locking

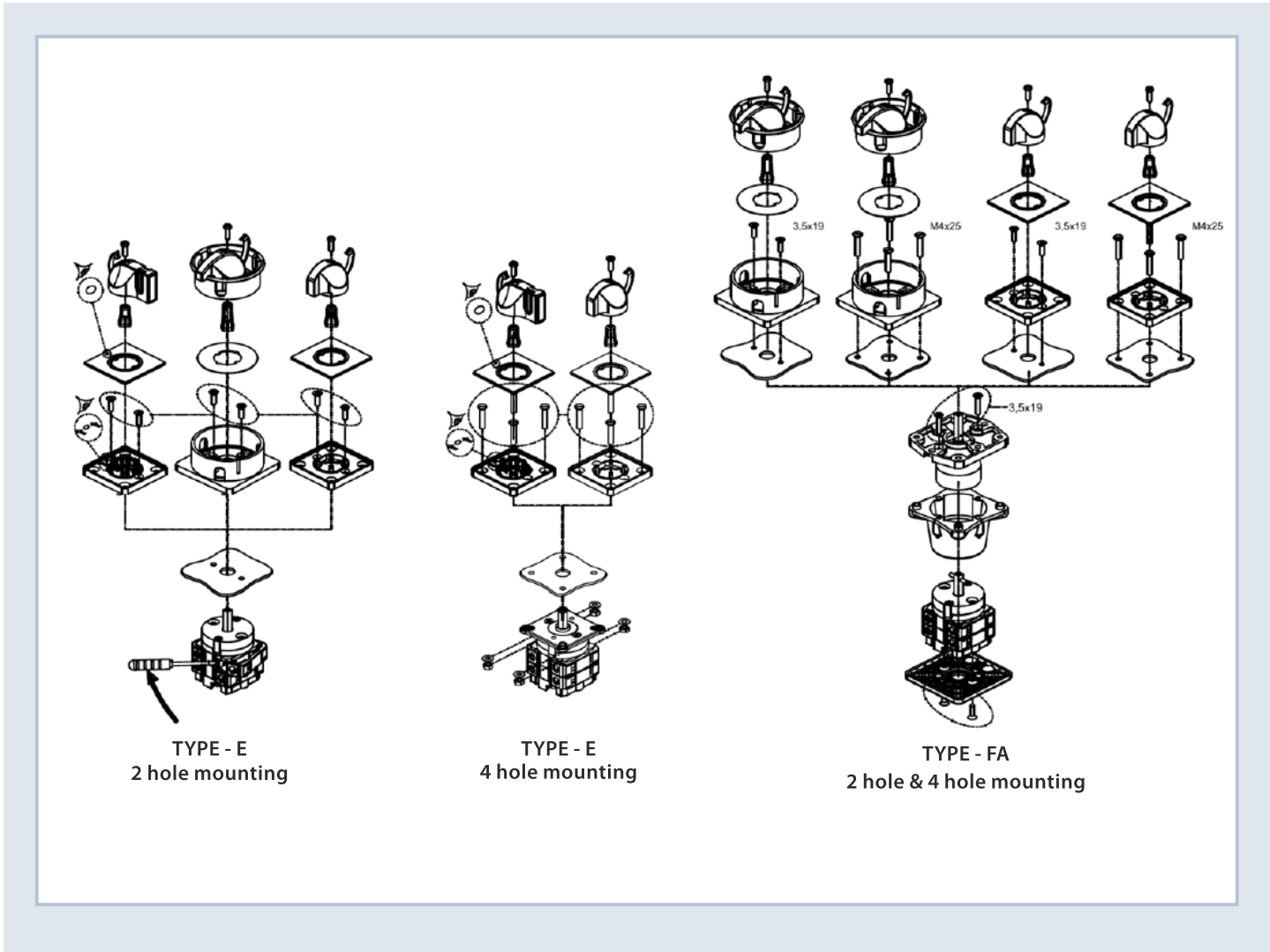
SALIENT FEATURES:

- Double contact per pole
- Highly resistant to arcing and welding
- High electrical and mechanical endurance
- High making and breaking capacity
- Flexibility to design and manufacture customized combinations.

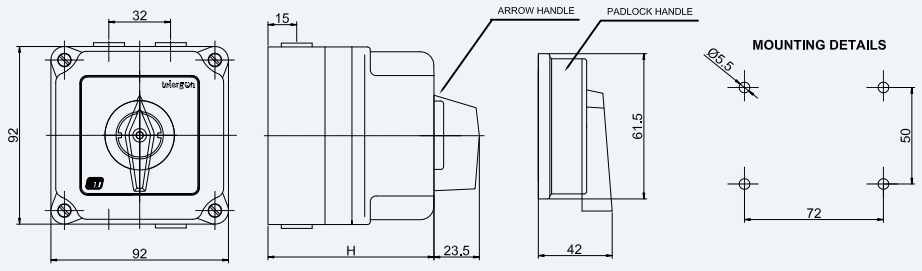
► MOUNTING TYPES



► MOUNTING INSTRUCTIONS

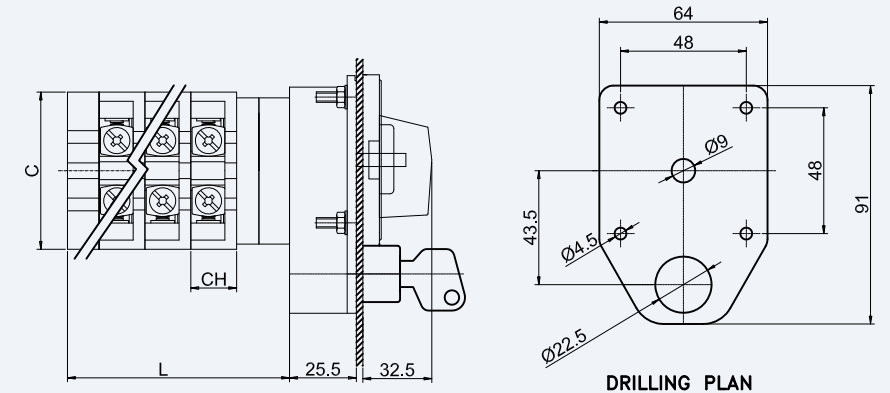


Enclosure



Size	Amps	H	No.of.CH
0	12-25A	72	2
		86	3
		100	4
		114	6
1	32-63A	72	1
		86	2
		100	3
		114	4

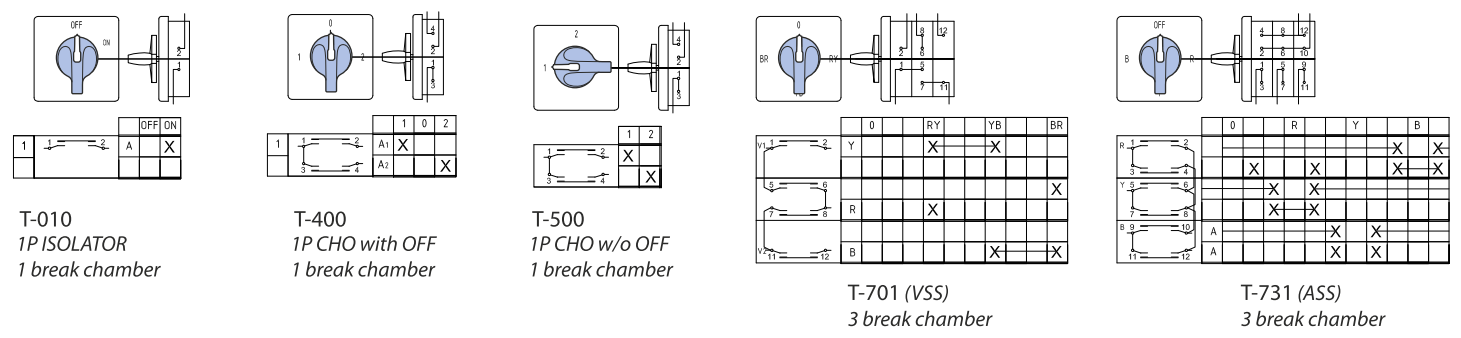
Key lock device



Amps	C	L	+CH
6-10A	34	33	9
12-20A	45	44.5	11.5
25A	45	34.5	11.5
32A	60	46.4	14.2
40A	60	49.8	17.5
63A	60	49.8	17.5

*For higher ratings please consult

► ELECTRICAL DIAGRAM OF POPULAR PROGRAMS



► ELECTRICAL DATA

Technical Characteristics	Units	T00	T00	T0
According to IEC 60947-3		6A	10A	12A
Thermal current Ith	A	12	15	16
Rated insulation voltage, Ui	V	500	500	500
Rated impulse withstand voltage Uimp (kV)	kV	4	6	6
AC rated operational current, Ie				
415V: AC21A	A	6	12	12
415V: AC22A	A	9	12	12
AC rated operational power, Pe				
3x240V : AC23A	KW	1.5	1.75	4
3x415V : AC23A	KW	2	3	5.5
3X415V : AC3	KW	1.5	1.5	4
Rated conditional short-circuit current	kA	3	3	10
Rated maximum current of gL-gG fuses	A	6	10	25
Rated breaking capacity (400V; cos 0.45)	A	80	60	80
Rated short-time withstand current (1sec)	A	100	120	240
Mechanical durability (Thousands of operations)		1000	1000	1000
Maximum connection capacity				
Rigid copper conductor	mm2	0.7-1.5	0.7-1.5	2x4
Flexible copper conductor	mm2	0.7-1.5	0.7-1.5	2x2.5
* - With Terminal extension				

According to UL508 – CAN / CSA C22.2 N 14		T12	T20	T16
Rated thermal current Ith	A	12	20	16
General use rating	Vac	300	300	600
AC rated operational power				
3x240V	HP	2	5	5.3
3x480V	HP	-	-	15
3x600V	HP	-	-	20

Frame sizes

T0	T0	T1	T1	T2	T2	T2	T2	T175	T3
16A	20A	25A	32A	40A	63A	100A	200A	200A	250A
16	20	25	32	40	63	100	200	200	250
500	500	500	690	690	690	690	690	1000	690
6	6	6	8	8	8	8	8	8	8
16	20	25	32	40	63	100	200	200	250
16	20	25	32	40	50	100	115	200	250
4	4	4	7.5	11	15	22	30	55	67
5.5	7.5	7.5	11	15	48.5	37	45	90	115
4	5.5	5.5	7.5	11	15	30	37	75	95
10	10	10	10	10	10	15	15	15	15
25	25	25	32	50	50	80	125	200	250
80	80	100	200	256	320	504	640	1600	2000
240	240	400	650	725	800	1600	2500	3500	4400
1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
2x4	2x4	2x4	2x6	2x10	2x10	16/25*	35/50*	95	120
2x2.5	2x2.5	2x2.5	2x4	2x6	2x6	-	-	95	120

T25	T32	T40	T50	T63	T100	T125	T200	T250	T315
25	32	40	63	63	100	100	200	200	200
600	600	600	600	600	600	600	600	600	600
7.5	10	15	20	30	30	30	60	60	60
15	20	25	40	40	50	50	75	75	75
20	25	30	40	40	50	50	60	60	60