

T Door mounting switch

1P up to 12P

Size 2
A 50|63|80|100|125|175



* Except T175



T

Technical information



According to IEC/EN 60947-3
UL508 - CAN/CSA C22.2 N° 14

According to IEC 60947-3				T50	T63	T80	T100	T125	T175
Rated thermal current	Ith	A		63	80	80	125	125	200
Rated insulation voltage	Ui	V		690	690	690	690	690	1000
Rated impulse withstand voltage	Uimp	kV		8	8	8	8	8	8
AC rated operational current	Ie	Ue 415V AC21A	A	63	80	80	125	125	200
		Ue 415V AC22A	A	63	80	80	115	115	200
		Ue 690V AC21A	A	63	80	80	115	115	175
		Ue 690V AC22A	A	63	63	63	100	100	160
		3x240V AC23A	kW	18,5	22	22	30	30	55
		3x240V AC3	kW	15	18,5	18,5	30	30	37
AC rated operational power (Rated operational frequency 50/60 Hz)	Pe	3x240V AC4	kW	5,5	7,5	7,5	11	11	15
		1x240V AC3	kW	7,5	11	11	15	15	18,5
		1x240V AC4	kW	3	3	3	4	4	5,5
		3x415V AC23A	kW	30	37	37	45	45	90
		3x415V AC3	kW	22	30	30	37	37	75
		3x415V AC4	kW	11	11	11	15	15	18,5
		1x400V AC3	kW	15	18,5	18,5	18,5	18,5	20
		1x400V AC4	kW	4	5,5	5,5	7,5	7,5	11
		3x500V AC23A	kW	30	37	37	55	55	110
		3x500V AC3	kW	22	30	30	45	45	75
		3x500V AC4	kW	11	11	11	15	15	18,5
		3x690V AC23A	kW	37	45	45	55	55	75
		3x690V AC3	kW	37	45	45	45	45	55
		3x690V AC4	kW	11	11	11	15	15	18,5
Rated conditional short-circuit current		kA		15	15	15	15	15	15 ⁽²⁾
Rated maximum current	gL-gG	A		80	80	80	125	125	160
Rated breaking capacity	400V; cos φ=0,45	A		504	504	504	640	640	1600
Rated short-time withstand current (1 sec)		A		1600	1600	1600	2500	2500	3500
Mechanical durability (thousand of operations)				1000	1000	1000	1000	1000	1000
Rigid copper conductor		mm ²		16/25 ⁽¹⁾	16/25 ⁽¹⁾	16/25 ⁽¹⁾	35/50 ⁽¹⁾	35/50 ⁽¹⁾	95
Flexible copper conductor		mm ²		10/16 ⁽¹⁾	10/16 ⁽¹⁾	10/16 ⁽¹⁾	16/35 ⁽¹⁾	16/35 ⁽¹⁾	95
According to UL508 - CAN / CSA C22.2 N° 14				T50	T63	T80	T100	T125	T175
Rated thermal current	Ith	A		63	63	63	100	100	
General use rating		Vac		600	600	600	600	600	
AC rated operational power	3x240V	HP		20	20	20	30	30	Certification in progress
	3x480V	HP		40	40	40	50	50	
	3x600V	HP		40	40	40	50	50	

*⁽¹⁾ With terminals for connection

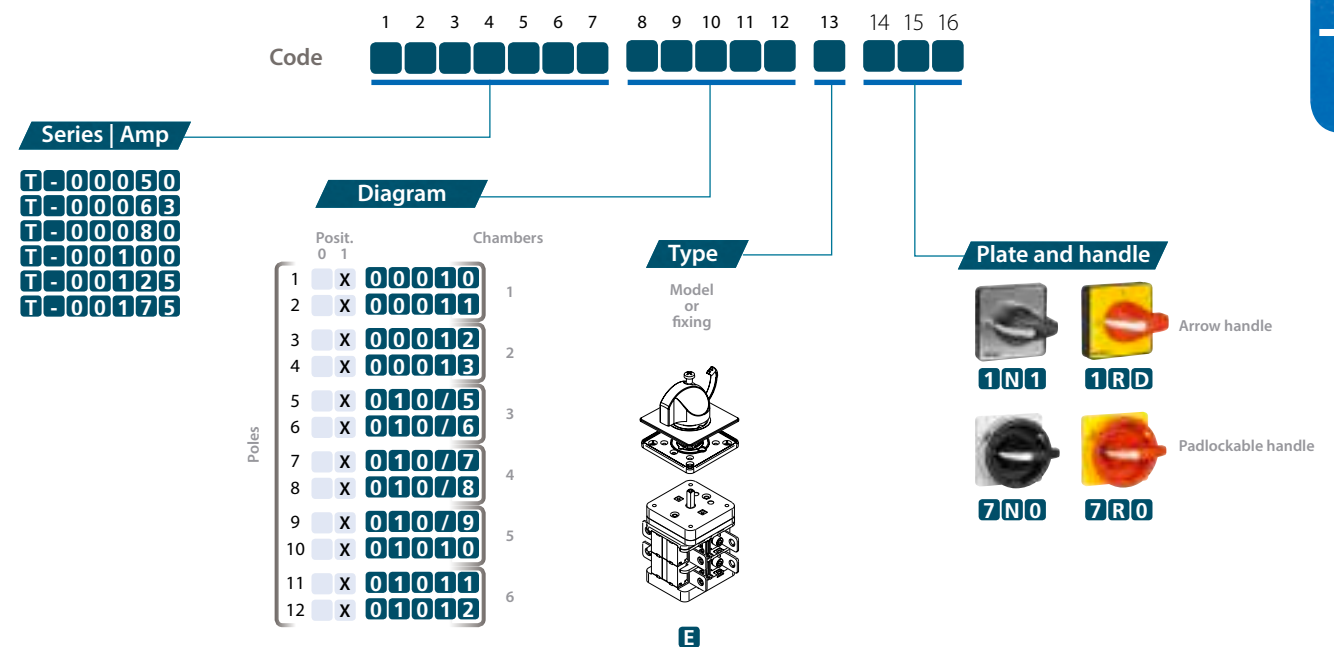
*⁽²⁾ Mounting without connection terminals or terminals + phase barriers DT-90025

Normal service conditions:

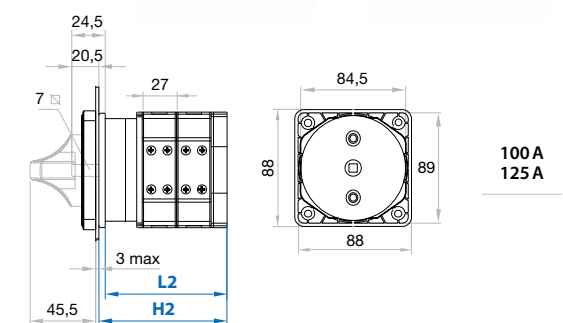
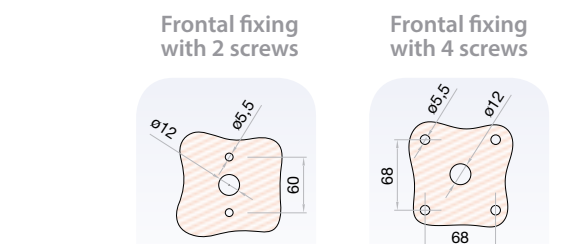
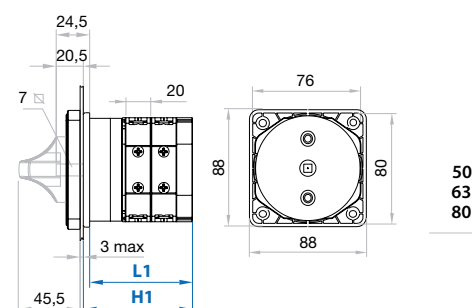
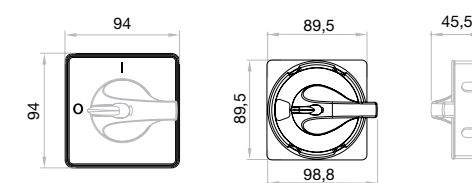
Ambient air temperature (°C): -5°...+40°. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications). Rated frequency at AC utilization categories: 50/60 Hz.

Rated duties at utilization categories AC21A, AC22A and AC23A: Continuing (8 hours); uninterrupted.

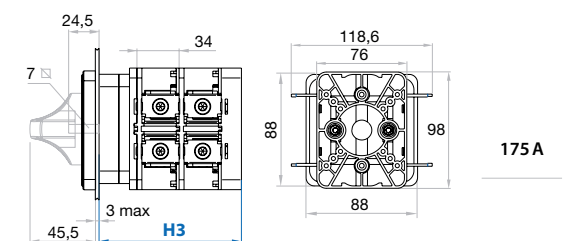
Rated duties at utilization categories AC3 and AC4: Intermittent; temporary.



Dimensions (mm)



T series	Chambers	1	2	3	4	5	6
T100 T125	L2	67	94	121	148	175	202
	H2	71	98	125	152	179	206



T series	Chambers	1	2	3	4	5	6
T175	H3	80,8	114,8	148,8	182,8	216,8	250,8

T series	Chambers	1	2	3	4	5	6
T50 T63 T80	L1	58,5	78,5	98,5	118,5	138,5	158,5
	H1	62,5	82,5	102,5	122,5	142,5	162,5

>> For more information of these series; accessories see pages 40-47 | diagrams see pages 50-59