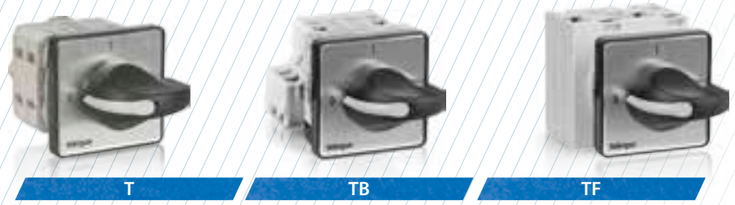
series T|TB|TF

T | TB | TF
Base mounting switch with clutch device 1P up to 12P

Size 0

A 12|16|20|25|32



Technical information

consult consult consult consult

According to IEC / EN 60947-3
UL508 - CAN/CSA C22.2 Nº 14

According to IEC 60947-3					T12	T20	TB20	TB25	TB32	TF12	TF16	TF25
Rated thermal current	Ith			A	16	25	20	25	32	20	25	32
Rated insulation voltage	Ui			V	500	500	500	500	500	690	690	690
Rated impulse withstand voltage	Uimp			kV	6	6	6	6	6	6	6	6
AC rated operational current	Ie	Ue 415V	AC21A	A	16	25	20	25	32	20	25	32
		Ue 415V	AC22A	A	16	25	20	25	32	20	25	32
		Ue 415V	AC23A	A	-	-	20	25	32	-	-	-
		Ue 500V	AC21A	A	16	20	20	25	32	-	-	-
		Ue 500V	AC22A	A	16	20	20	25	32	-	-	-
		Ue 500V	AC23A	A	-	-	16	20	25	-	-	-
		Ue 690V	AC21A	A	-	-	-	-	-	16	25	32
		Ue 690V	AC22A	A	-	-	-	-	-	16	25	25
AC rated operational power (Rated operational frecuency 50/60 Hz)	Pe	3x240V	AC23A	kW	4	4	5,4	6,7	8,6	4	5,5	7,5
		3x240V	AC3	kW	3	4	3,7	4,6	5,9	4	5,5	5,5
		3x240V	AC4	kW	1,1	1,5	2,9	3,7	4,6	1,5	2,2	3
		1x240V	AC3	kW	1,5	2,2	2,1	2,7	4	2,2	3	4
		1x240V	AC4	kW	0,37	0,55	1	1,25	1,5	0,55	0,75	1,1
		3x415V	AC23A	kW	5,5	7,5	9,3	11,7	15	7,5	11	11
		3x415V	AC3	kW	4	5,5	6,4	8	10,3	5,5	7,5	7,5
		3x415V	AC4	kW	2,2	3	3,1	3,8	5,5	3	4	5,5
		1x400V	AC3	kW	2,2	3	3,6	4,5	5,7	3	4	5,5
		1x400V	AC4	kW	0,75	1,1	1,7	2,2	3	1,1	1,5	1,5
		3x500V	AC23A	kW	5,5	7,5	9	11	14	7,5	11	11
		3x500V	AC3	kW	4	7,5	7,8	9,7	12,5	7,5	7,5	11
		3x500V	AC4	kW	2,2	3	3,3	4,7	5,5	3	4	5,5
		3x690V	AC23A	kW	-	-	-	-	-	7,5	11	15
		3x690V	AC3	kW	-	-	-	-	-	5,5	7,5	11
		3x690V	AC4	kW	-	-	-	-	-	3	4	5,5
Rated conditional short-circuit current				kA	10	10	5	5	5	5	5	5
Rated maximum current	gL-gG			A	25	25	35	35	35	20	25	32
Rated breaking capacity	400V; cos φ=0,45			A	80	100	160	200	256	100	160	200
Rated short-time withstand current (1 sec)				A	240	400	240	400	500	350	400	500
Mechanical durability (thousand of operations)					1000	1000	1000	1000	1000	1000	1000	1000
Rigid copper conductor				mm²	2x4	2x4	1x10 2x6	1x10 2x6	1x10 2x6	1x10	1x10	1x10
Flexible copper conductor				mm²	2x2,5	2x2,5	1x6 2x4	1x6 2x4	1x6 2x4	1x6	1x6	1x6
According to UL508 - CAN / CSA C22.2 Nº 14					**T12**	**T20**				**TF12**	**TF16**	**TF25**
Rated thermal current	Ith			A	12	20	-	-	-	16	20	25
General use rating				Vac	300	300	-	-	-	600	600	600
AC rated operational power		3x240V		HP	2	5	-	-	-	2	5	7,5
		3x480V		HP	-	-	-	-	-	5	10	12
		3x600V		HP	-	-	-	-	-	5	10	15

Normal service conditions:

Ambient air temperature (ºC): -5º...+40º. Maximum altitude: 2.000 m. Maximum humidity: 90%. Pollution degree: 3 (standard for industrial applications). Rated frecuency 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.

series T|TB|TF

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

Series | Amp

T-00012
T-00020

TB-0020
TB-0025
TB-0032

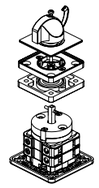
TF-0012
TF-0016
TF-0025

Diagram

Poles	Posit. 0	Posit. 1		Chambers
1	X		00010	1
2	X		00011	
3	X		00012	2
4	X		00013	
5	X		010/5	3
6	X		010/6	
7	X		010/7	4
8	X		010/8	
9	X		010/9	5
10	X		01010	
11	X		01011	6
12	X		01012	

Type

Model or fixing



F

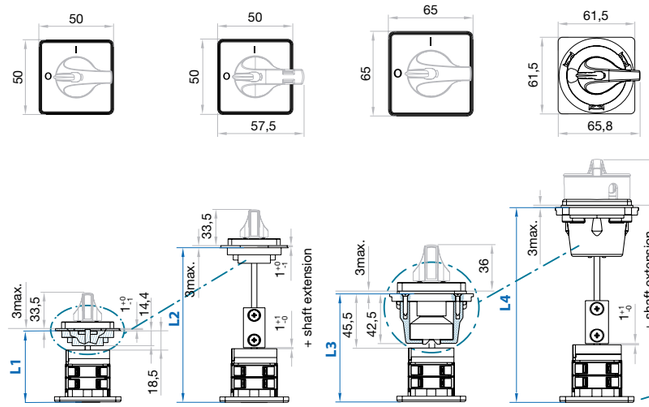
Plate and handle

1N1 1RD Arrow handle

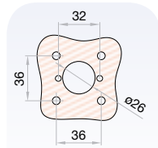
6N1 6RD Padlockable handle "mini"

7N0 7R0 Padlockable handle

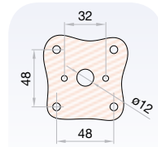
Dimensions (mm)

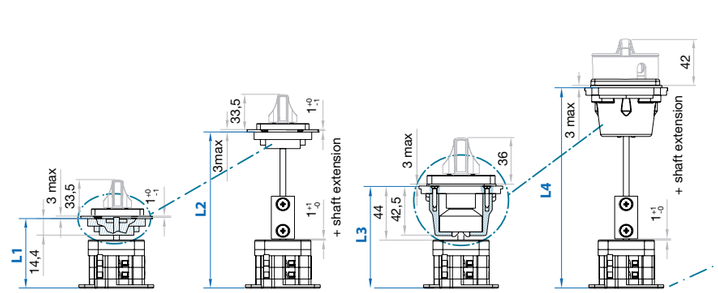


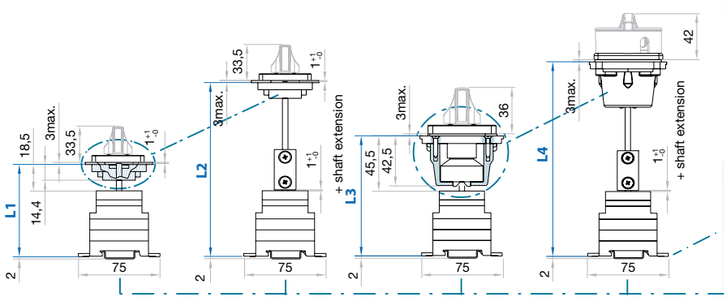
Frontal panel mechanization with 2 or 4 screws
L1-L2



Frontal panel mechanization with 2 or 4 screws
L3-L4

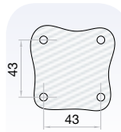






T series

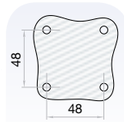
Chambers	1□	+□	1□	+□	1□	+□	1□	+□
	L1		L2		L3		L4	
min	56	+11,5	94	+11,5	83	+11,5	121	+11,5
max			256				283	



L2 - L4
Specify length when ordering

TB series

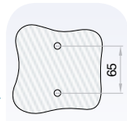
Chambers	1□	+□	1□	+□	1□	+□	1□	+□
	L1		L2		L3		L4	
min	46	+10	84	+10	75,5	+10	113	+10
max			246				275,5	



L2 - L4
Specify length when ordering

TF series

Chambers	1□	+□	1□	+□	1□	+□	1□	+□
	L1		L2		L3		L4	
min	65,5	+10	103,5	+10	92,5	+10	130,5	+10
max			265,5				292,5	



L2 - L4
Specify length when ordering

IEC60715/TH35-7,5
DIN46277

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