

Electrical characteristic		TD3 MS		TD3 MS	
Family					
Number of pole					
Frame size		Frame size 1		Frame size 2	
Comply to standard	IEC 60947-3	OK	OK	OK	OK
	IEC 60669-2-4	OK	OK	-	-
Thermal current I <sub>th</sub> (40°C)		32A	63A	100A	125A
Operational frequency		50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Rated insulation voltage (U <sub>i</sub> )		440V	440V	440V	440V
Rated impulse withstand voltage U <sub>imp</sub>		6 KV	6 KV	6 KV	6 KV
Protection degree		3	3	3	3
Working temperature		-20 to 50°C	-20 to 50°C	-20 to 50°C	-20 to 50°C
Storage temperature		-40 to 80°C	-40 to 80°C	-40 to 80°C	-40 to 80°C





Operational currents I <sub>e</sub>					
Rated voltage	Load duty category				
400V AC	AC 21A	32A	63A	100A	125A
400V AC	AC 22A	32A	63A	100A	125A

A category = Frequent operation

Short circuit characteristic					
Rated short time withstand current 1s I <sub>cw</sub> (rms)	IEC 60947-3	480A	945A	1200A	1500A
Prospective short circuit current (rms)	EN 60669-2-4	6kA	6kA	n/a	n/a

Mechanical characteristic					
Rigid cable section		25 mm <sup>2</sup>	25 mm <sup>2</sup>	50 mm <sup>2</sup>	50 mm <sup>2</sup>
flexible cable section		16 mm <sup>2</sup>	16 mm <sup>2</sup>	35 mm <sup>2</sup>	35 mm <sup>2</sup>
Tightening torque		2.8 Nm	2.8 Nm	3.6 Nm	3.6 Nm
Busbar thickness		1 to 1.5mm	1 to 1.5mm	1.5 to 2mm	1.5 to 2mm
IP protection degree		20	20	20	20
Mechanical endurance (number of cycle)		30,000	30,000	20,000	20,000
Electrical endurance @ AC22 (number of cycles)		5,000	5,000	2,500	2,500

Overall dimension		Nb of pole			
Width ( mm )	1P	17.5	17.5	17.5	17.5
	2P	36	36	36	36
	3P	53	53	53	53
	4P	72	72	72	72
Height (mm)		83	83	83	83
Depth (mm)		72	72	72	72

Accessories		Auxiliary Switch	Terminal Shroud	Screw Cover	Phase Barrier
				 <small>Screw cover only for protection</small>	
Frame Size 1		yes	yes	yes	yes
Frame Size 2		yes	no	yes	yes