

T-Frame - Circuit Breakers



The T-Frame is a compact, low profile circuit breaker. It is available in single and double pole configurations and its low profile design makes it ideal for power distribution applications. The T-Frame has the rocker handle configuration and is available in both AC and DC.

Features

- AC and DC circuit breaker
- Hydraulic-magnetic technology
- 100% rating capability independent of ambient temperature
- Up to two poles
- VDE approved, CE certified
- UL Listed
- Ratings 0.1 A to 30 A (specific certifications)
- Precision tripping characteristics
- Wide range of time delays
- Two colour handle indication (two tone flush rocker)

Applications

- AC and DC branch circuit installations
- Power conditioning
- Telecom power distribution
- Alternative energy equipment
- UPS equipment
- Lighting control
- Mobile power generation equipment

Approvals

The T-Frame circuit breaker carries various approvals such as DIN/EN 60947-2, GB 14048.2, VDE, cURus and is CE certified. It is also recognised and listed to UL 489.



Technical Data

Product Type	T-Frame
Ambient Operating Temperature	-40°C to +85°C
Mounting Options	Front mounting, rectangular aperture and flush rocker handle type
Endurance	10 000 operations; 1 500 with current, 8 500 without current (IEC 60947-2 Clause 7.2.4.2)* 10 000 operations; 6 000 with current, 4 000 without current (UL 489 Clause 7.1.5)*
Dielectric Strength	1 000 - 2 000 Vac for one minute (IEC 60947-2 Clause 8.3.3.3)* 1 000 Vac plus twice the rated voltage for one minute (UL 489 Clause 7.1.9)*
Rated Impulse Withstand Voltage	4 kV (IEC 60947-2 Clause 8.3.3.2)*
Weight	90 g per pole (unpacked)
Altitude	Certification tests done at altitude $\approx$ 2 000 metres. Will operate at higher altitudes.
Flammability	I3 - Ignition does not persist at 850°C after glow wire is withdrawn with an oxygen index of $\geq$ 28
Toxicity	F1 - Smoke index of $\leq$ 20 which determines the fume class
Pollution Degree	PD2 - Normally only non-conductive pollution occurs. Temporary conductivity caused by condensation is to be expected.

Product Type	Circuit Breaker		Circuit Breaker	
Approvals	UL 489			
Number of Poles	1		2	
Maximum Voltages	240 Vac, 80 Vdc	120 Vac	120/240 Vac, 240 Vdc, 80 Vdc	12 /240 Vac
Current Ratings	0.1 A - 30 A	0.1 A - 20 A	0.1 A - 30 A	0.1 A - 20 A
AIC	10 kA	22 kA	10 kA	22 kA

Product Type	Circuit Breaker		Circuit Breaker
Approvals	IEC 60947-2, GB/T 14048.2, CE, UKCA		
Number of Poles	1	2	
Maximum Voltages	240 Vac, 80 Vdc		
Current Ratings	0.1 A - 30 A	0.1 A - 30 A	
Icu	5 kA		

Verify approvals for specific ratings in accordance with the relevant test certificate.