

E-T-A Thermal Circuit Breaker Type 3120-F7.. Attractive Styling, Reliable Performance.



Technical Information

Thermal Circuit Breaker Type 3120-F7..

The technology of the thermal circuit breaker type 3120-F7.. has been tested a million times over. Its robust design ideally and attractively combines protection of motors, transformers or power supplies with an ON/OFF switching function.

The versatility of series 3120-F7.. ensures its suitability for applications ranging from household appliances, office equipment,

medical equipment and professional tools to marine craft, vehicles, hobby and garden machines.

Actuation is by means of a switching rocker, single and double pole versions are available. The 3120-F7.. may also be ordered as a pure switch (unprotected), as a momentary switch or with thermal-magnetic protection (add-on module).

The attractively designed rocker and mounting frame will make type 3120-F7.. the preferred choice for all applications where outward appearance plays an important role.

Technical data

Rated voltage	AC 240 V; DC 50 V
Current rating range	0.1...20 A (up to 30A upon request, single pole only)
Typical life	50,000 cycles for ratings ≤ 16 A 2pole or 30,000 cycles for ratings ≤ 16 A 1pole or 10,000 cycles for ratings ≤ 16 A
Ambient temperature	-30 ... +65 °C (-22 ... +140 °F)
Rupture capacity I_{cn} Thermal version 3120-F7...T1	0.1...2 A 10 x I_n 2.5...20 A 250 A 2pole or 150 A 1pole
Rupture capacity I_{cn} Thermal-magnetic version 3120-F7...M1	0.1...2 A 100 x I_n 2.5...16 A 250 A 2pole or 150 A 1pole
Thermal version	for operating voltages up to 415 V
Protection class (IEC 60529)	operating area IP40 (with water splash protection IP54) terminal area IP00 (with water splash protection IP64)

Other options possible through add-on modules.

Features and benefits

- Single or double pole thermal circuit breaker
- Ease of mounting (snap-in frame)
- Current rating range 0.1...20 A
- Several functions combined in a single component
- Accessories (water splash cover, actuator guard to prevent inadvertent **switch-on**)
- Attractive styling
- Various add-on modules (zero voltage release module, auxiliary contact module, remote trip coil, mechanical slide interlock)
- Illumination optional
- Approvals include VDE, UL, CSA; CE certified



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