



Brand: ABB

SKU: [1SDA066488R1](#)

A1C 125 TMF 30-400 1p F F (AAC030TW-1)

Moulded / Molded Case Circuit Breaker (MCCB) - ABB / SACE (FORMULA series) - A1C 125 TMF 30-400 1p F F - 1-pole (1P1d) - Rated current 30A - Short circuit breaking capacity (Icu) 18kA (240Vac) - Thermal-Magnetic (fixed) (TMF) trip unit - equivalent to AAC030TW-1 / A1C125TMF304001pFF

Specifications	
Primary brand	ABB
Secondary brand	SACE
Main function	Moulded Case Circuit Breaker (MCCB)
Product series / family name	FORMULA
Sub-range name	A1C 125 complete breakers
Functions	Moulded / Molded Case Circuit Breaker (MCCB)
Poles	1-pole (1P1d)
Rated current	30A
Trip current rating	30 AT
Frame current rating	125 AF
Rated operating voltage (Ue)	415 V
Rated voltage (AC)	415Vac
Rated impulse voltage (Uimp)	6 kV
Rated insulation voltage (Ui)	690 V
Connection type	Ring-lug or bar connections
Ultimate short circuit current breaking capacity (Icu)	18kA (240Vac) 2.5kA (380Vac) 2.5kA (415Vac) 5kA (125Vdc)
Service short circuit current breaking capacity (Ics)	9kA (240Vac) 1.25kA (380Vac) 1.25kA (415Vac)
Service short circuit current breaking capacity as a percentage of Icu (Ics%)	(415Vac) 50 %
Trip unit type	Technology = Thermal-Magnetic (fixed) Series = TMF Display = none
Protection functions	Thermal protection (Overload) Magnetic protection (Short-circuit)

Specifications	
Protection settings	Over-current -- fixed at 30A Short-circuit pickup current -- fixed at 400A
Operating mode	Toggle
Dimensions	H130mm x W25.4mm x D60mm
Electrical durability (with load)	1500 operations
Mechanical durability (at no load)	8500 operations
Power dissipation/losses	(1-pole) 4 W
Order code / Manufacturer SKU	A1C 125 TMF 30-400 1p F F AAC030TW-1
Manufacturer product status	Commercialized
Equivalent to	AAC030TW-1 A1C125TMF304001pFF
EAN code	8015644692957
UNSPSC code	39121616
Compliant with standard(s)	IEC 60947-2 EC directive "Low Voltage Directives" (LVD) no. 2006/95/CE (in replacement of 73/23/ CEE and subsequent amendments) EC directive "Electromagnetic Compatibility Directive" (EMC) no. 89/336 EEC