AD30-32

MINI CIRCUIT BREAKER

DESCRIPTION / APPLICATION

A circuit breaker is an automatically operated electrical switch designed to protect an electrical circuit from damage caused by excess current from an overload or short circuit.

Its basic function is to interrupt current flow after a fault is detected.

The installation, maintenance and replacement of the device can only be carried out by qualified electrical personnel.

It is in conformity with IEC 60947-2 and VC8036 standard.

MAIN TECHNICAL DATA

Electrical Features	Standard		SANS 556-1/ IEC60947-2
	Rated current	A	6, 10, 16, 20, 25, 32
	Poles		1P+N
	AC Volts	V	230V
	Rated frequency	Hz	50/60
	Rated breaking capacity	kA	3kA
Mechanical Features	Thermo-magnetic release characteristic	Curve	C (blue toggle)
	Electrical life expectancy	Times	8000
	Mechanical life expectancy	Times	20000
	Protection degree		IP20
	Best Ambient temperature	℃	30
Installation	Ambient temperature(with daily average≤35℃)	℃	-5℃ to +40℃
	Terminal connection type		Cable/Pin-type busbar
	Connection		Top and bottom
	Tighten torque (max)	Nm	2.5Nm
	Mounting		DIN Rail EN 60715(35mm) by means of fast clip device

PART NUMBER EXAMPLE

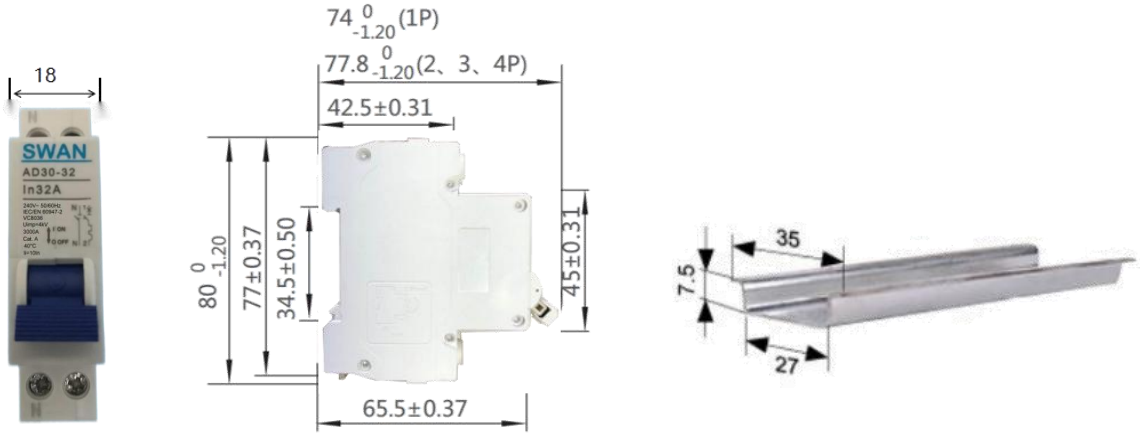
BASE NUMBER	KA RATING	POLES	AMPERAGE	CURVE
CB-AD30	3KA	1P+N	20A	C
EXAMPLE	**CB-AD30-3120+N**			

TEMPERATURE DERATING

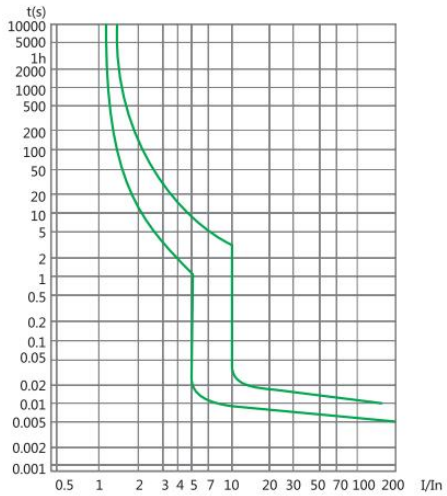
The maximum permissible current in a circuit breaker depends on the ambient temperature where the circuit breaker is placed. Ambient temperature is the temperature inside the enclosure or switchboard in which the circuit breakers are installed. South Africa is calibrated at 40℃.

Temperature	-10℃	0℃	10℃	20℃	30℃	40℃	50℃	55℃	60℃
Temperature compensation coefficient	1.20	1.15	1.10	1.05	1.00	0.95	0.90	0.875	0.85

DIMENSIONS AND MOUNTING



TRIPPING CURVES



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