

1. Technical data

Standard: IEC1008, GB16916, BS EN61008

Rated voltage(U_n): 2pole:230VAC 4pole:400VAC

Rated current (I_n): 25,40,63A

Rated residual operating current ($I_{\Delta n}$): 30,100,300,500mA

Rated residual non-operating current ($I_{\Delta no}$): 0.5 $I_{\Delta n}$

Residual current off-time: $\leq 0.1s$

Minimum value of rated making and breaking capacity (1m): 1KA

Rated conditional short-circuit current (I_{nc}): $I_n=25,40A$ $I_{nc}=1500A$ $I_n=63A$ $I_{nc}=3000A$

Installation: On symmetrical DIN rail

2. Applicable standards:

International standard:

IEC 61008-1 residual current operated without integral overcurrent

Protection of household and similar uses (RCCB)

3. Normal usage and mounting conditions:

a) Ambient temperature: the breaker can work under ambient air temperature $-25^{\circ}C \sim +40^{\circ}C$;

b) Altitude: the breaker can work under altitude not exceed 2000m;

c) Class of pollution: the class of pollution is class 2;

d) Installation type: the installation type is III ;

e) Mounting position: the breaker can be mounted in rail, or horizontally, vertically. it will not decrease their electric features;

f) Environmental protection: Environmental factors are adequately considered in the design of circuit breaker, with many recoverable and degradable materials.

g) Power source in-line: the in-line can be connected from different directions, which will not affect its electric features.

4. Main technical data:

Model			AML8
Number of poles			2P 4P
Rated current in		A	10 16 25 32 40 63
Rated frequency		Hz	50
Rated operating voltage U_e		V	230 400
Rated isolating voltage U_i		V	500
rated short-circuit making capacity I_m		A	630
Rated limit short-circuit current I_c		A	6000
Rated residual actuating current $I_{\Delta n}$		mA	30 100 300
Rated residual non- actuating current $I_{\Delta no}$		mA	15 50 150
Breaking time $I_{\Delta}=I_{\Delta N}$ $I_{\Delta}=5I_{\Delta N}$		ms	≤ 100
		ms	≤ 40
Frequency of operation cycle	per hour	time	240
	electrical	time	1000
	non-electrical	time	2000
Level of protection			IP20
Working feature with DC weight			A, AC(type)
Mounting type			Rail plug-in
Connection type			Terminal with clip
Ambient temperature	Min/Max	$^{\circ}C$	$-25/+40$
Altitude	Max	m	2000
Connection lead	Min/Max	mm^2	1/25
Tightening torque		N.m	2
External dimensions (LXWXH)	2P	mm	82.5X36X76
	4P	mm	82.5X72X76
Weight	2P	kg	0.275
	4P	kg	0.360



5. Outline installation dimensions:

Outline and installation dimensions, see table it is mounted by steel mounting guide rail, type TH35-7.5

