

# ADL1 - EARTH LEAKAGE PROTECTION



## DESCRIPTION / APPLICATION

ADL1-63 series RCCB (without overcurrent protection) applies to AC 50Hz, rated voltage 240V for 2 poles, 415V for 4poles, rated current up to 63A. When electric shock occurs to human or leakage current in grid exceeds stipulated values, RCCB cuts off the fault power in a very short time to protect the safety of human and electrical equipment. It can also function as non-frequently switching of circuits. It is in conformity with IEC61008-1 standard.

## MAIN TECHNICAL DATA

Electrical Features	Standard		VC8035 IEC61008-1
	Rated current	A	16A,20A,25A,32A,40A,50A,63A
	Poles		1P+N, 3P+N
	AC Volts	V	240V, 415V
	Rated frequency	Hz	50/60
	Rated residual operated current $I_{nc}$	A	0.03A,0.1A,0.3A
	Rated limited short circuit current $I_{\Delta c}$	A	6000A
	Rated limited residual short circuit current $I_{\Delta c}$	A	6000A
	Rated making and breaking capacity $I_m$		500A( $I_n < 50A$ ), 630A( $I_n = 63A$ )
	Rated residual making and breaking capacity $I_{\Delta m}$		500A( $I_n < 50A$ ), 630A( $I_n = 63A$ )
	Rated residual non-operated current $I_{\Delta n}$		0.5 $I_{\Delta n}$
Mechanical Features	Electrical life expectancy	h	1000
	Mechanical life expectancy	h	2000
	Protection degree		IP20
	Best Ambient temperature	°C	30
	Ambient temperature (with daily average $\leq 35^\circ\text{C}$ )	°C	-30°C to +60°C
Installation	Terminal connection type		Cable/Pin-type busbar
	Connection		Top and bottom
	Tighten torque (max)	Nm	3.0Nm
	Mounting		DIN Rail 35mm by means of fast clip device

**PART NUMBER EXAMPLE**

BASE NUMBER	POLES	AMPERAGE
EL-ADL1-63	1P+N	25A
<b>EXAMPLE</b>	<b>EL-ADL1-63-6225</b>	
	<b>EL-ADL1-63-6425</b>	

**DIMENSIONS AND MOUNTING**

