





**Technical Data**

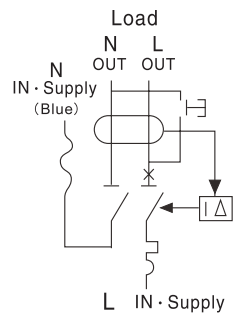
Standard	IEC/EN61009-1
Protection	Ground fault, Overcurrent and short circuit, Over-voltage(selectable)
Type of trip	Ground fault: Electronic
	Overload and short circuit: Thermo-magnetic
Type of protection (electric leakage)	AC, A
No.of poles	1P+N 1module, N line with disconnected
Rated currents(In)	6, 10, 16, 20, 25, 32, 40A
Rated sensitivity currents IΔn	10, 30, 100, 300mA
Residual current off-time under IΔn	≤ 0.1s
Reted residual making and breaking capacity (IΔm)	500A(In ≤ 50A)
Rated voltage (Ue)	230/240V~
Rated frequency	50/60Hz
Rated breaking capacity	6,000A
Energy Limiting Class	3
Rated impulse withstand voltage(1.2/50)Uimp	4,000V
Dielectric test voltage at Ind.Freq.for 1 min	2kV
Thermal release characteristic	(1.13-1.45)×In
Magnetic release characteristic	B: (3-5)×In, C: (5-10)×In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	Yes
Protection degree	IP20
Ambient temperature	-25°C to +40°C , Max. 95% humidity
Terminal connection type	Cable/ Pin-type busbar
Max. terminal size for cable	L(in): 25mm <sup>2</sup> , N/L(out): 16mm <sup>2</sup>
Max. tightening torque	L(in): 2.5N.m, N/L(out): 2N.m
Installation	Mounting on 35mm DIN rail
Connection	From bottom

## Product Selection Form

RCBO EKL17-40 (B Curve)						
Poles	Type	Rated Current (A)	Sensitivity			
			10mA	30mA	100mA	300mA
	AC	6A	EKL17-40-1NB0610	EKL17-40-1NB0630	EKL17-40-1NB06100	EKL17-40-1NB06300
		8A	EKL17-40-1NB0810	EKL17-40-1NB0830	EKL17-40-1NB08100	EKL17-40-1NB08300
		10A	EKL17-40-1NB1010	EKL17-40-1NB1030	EKL17-40-1NB10100	EKL17-40-1NB10300
		13A	EKL17-40-1NB1310	EKL17-40-1NB1330	EKL17-40-1NB13100	EKL17-40-1NB13300
		16A	EKL17-40-1NB1610	EKL17-40-1NB1630	EKL17-40-1NB16100	EKL17-40-1NB16300
		20A	EKL17-40-1NB2010	EKL17-40-1NB2030	EKL17-40-1NB20100	EKL17-40-1NB20300
		25A	EKL17-40-1NB2510	EKL17-40-1NB2530	EKL17-40-1NB25100	EKL17-40-1NB25300
		32A	EKL17-40-1NB3210	EKL17-40-1NB3230	EKL17-40-1NB32100	EKL17-40-1NB32300
	A	6A	EKL17-40-1NB0610A	EKL17-40-1NB0630A	EKL17-40-1NB06100A	EKL17-40-1NB06300A
		8A	EKL17-40-1NB0810A	EKL17-40-1NB0830A	EKL17-40-1NB08100A	EKL17-40-1NB08300A
		10A	EKL17-40-1NB1010A	EKL17-40-1NB1030A	EKL17-40-1NB10100A	EKL17-40-1NB10300A
		13A	EKL17-40-1NB1310A	EKL17-40-1NB1330A	EKL17-40-1NB13100A	EKL17-40-1NB13300A
		16A	EKL17-40-1NB1610A	EKL17-40-1NB1630A	EKL17-40-1NB16100A	EKL17-40-1NB16300A
		20A	EKL17-40-1NB2010A	EKL17-40-1NB2030A	EKL17-40-1NB20100A	EKL17-40-1NB20300A
		25A	EKL17-40-1NB2510A	EKL17-40-1NB2530A	EKL17-40-1NB25100A	EKL17-40-1NB25300A
		32A	EKL17-40-1NB3210A	EKL17-40-1NB3230A	EKL17-40-1NB32100A	EKL17-40-1NB32300A
40A	EKL17-40-1NB4010A	EKL17-40-1NB4030A	EKL17-40-1NB40100A	EKL17-40-1NB40300A		

RCBO EKL17-40 (C Curve)						
Poles	Type	Rated Current (A)	Sensitivity			
			10mA	30mA	100mA	300mA
	AC	6A	EKL17-40-1NC0610	EKL17-40-1NC0630	EKL17-40-1NC06100	EKL17-40-1NC06300
		8A	EKL17-40-1NC0810	EKL17-40-1NC0830	EKL17-40-1NC08100	EKL17-40-1NC08300
		10A	EKL17-40-1NC1010	EKL17-40-1NC1030	EKL17-40-1NC10100	EKL17-40-1NC10300
		13A	EKL17-40-1NC1310	EKL17-40-1NC1330	EKL17-40-1NC13100	EKL17-40-1NC13300
		16A	EKL17-40-1NC1610	EKL17-40-1NC1630	EKL17-40-1NC16100	EKL17-40-1NC16300
		20A	EKL17-40-1NC2010	EKL17-40-1NC2030	EKL17-40-1NC20100	EKL17-40-1NC20300
		25A	EKL17-40-1NC2510	EKL17-40-1NC2530	EKL17-40-1NC25100	EKL17-40-1NC25300
		32A	EKL17-40-1NC3210	EKL17-40-1NC3230	EKL17-40-1NC32100	EKL17-40-1NC32300
	A	6A	EKL17-40-1NC0610A	EKL17-40-1NC0630A	EKL17-40-1NC06100A	EKL17-40-1NC06300A
		8A	EKL17-40-1NC0810A	EKL17-40-1NC0830A	EKL17-40-1NC08100A	EKL17-40-1NC08300A
		10A	EKL17-40-1NC1010A	EKL17-40-1NC1030A	EKL17-40-1NC10100A	EKL17-40-1NC10300A
		13A	EKL17-40-1NC1310A	EKL17-40-1NC1330A	EKL17-40-1NC13100A	EKL17-40-1NC13300A
		16A	EKL17-40-1NC1610A	EKL17-40-1NC1630A	EKL17-40-1NC16100A	EKL17-40-1NC16300A
		20A	EKL17-40-1NC2010A	EKL17-40-1NC2030A	EKL17-40-1NC20100A	EKL17-40-1NC20300A
		25A	EKL17-40-1NC2510A	EKL17-40-1NC2530A	EKL17-40-1NC25100A	EKL17-40-1NC25300A
		32A	EKL17-40-1NC3210A	EKL17-40-1NC3230A	EKL17-40-1NC32100A	EKL17-40-1NC32300A
40A	EKL17-40-1NC4010A	EKL17-40-1NC4030A	EKL17-40-1NC40100A	EKL17-40-1NC40300A		

## Circuit Diagram



## Dimension (mm)

