EKL2-40 6KA RCBO

RCCB with Overcurrent Protection ---------- Standard_ IEC61009-1

Technical Data

Electrical Features	Mode	Electronic
	Type	AC,A
	Rated current In	6,8,10,13,16,20,25,32,40A
	Poles	1P+N
	Rated voltage Ue	230/240V~
	Insulation voltage Ui	500V
	Rated frequency	50/60Hz
	Rated residual operation current(I△n)	10,30,100,300mA
	Break time under I△n	⩽0.1s
	Rated breaking capacity	6,000A
	Energy limiting class	3
	Rated impulse withstand voltage(1.5/50) Uimp	4,000V
	Dielectric test voltage at ind.Freq. for 1min	2kV
	Pollution degree	2
	Thermo-magnetic release characteristic	B,C
Mechanical Features	Electrical life	4,000 Cycles
	Mechanical life	10,000 Cycles
	Contact position indicator	Yes
	Protection degree	IP20
	Reference temperature for setting of thermal element	30°C
	Ambient temperature (with daily average⩽35°C)	-5°C~+40°C
	Storage temperature	-25°C~+70°C
Installation	Terminal connection type	Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	25mm² 18-3AWG
	Terminal size top/bottom for busbar	25mm² 18-3AWG
	Tightening torque	2.5Nm 22In-lbs
	Mounting	On DIN rail EN60715(35mm) by means of fast clip device
	Connection	Power supply from button
Specialfunction can customized	Over voltage protection	Yes
	Under voltage protection	Yes
	Over/Under voltage protection	Yes

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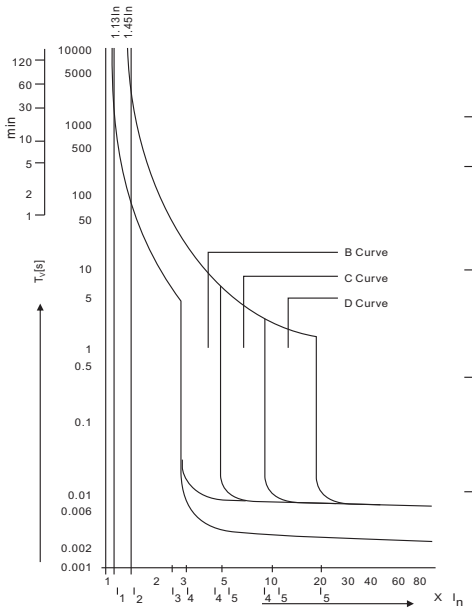
Tripping Current Range

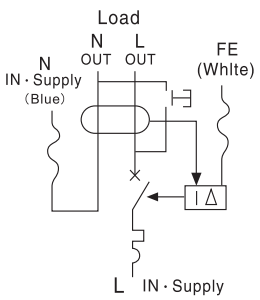
Type	Tripping current I△/A		
AC	0.5I△n<I△<I△n		
A	Lagging Angle	I△n>0.01A	I△n≤0.01A
	0°	0.35I△n≤I△≤1.4I△n	0.35I△n≤I△≤2I△n
	90°	0.25I△n≤I△≤1.4I△n	0.25I△n≤I△≤2I△n
	135°	0.11I△n≤I△≤1.4I△n	0.11I△n≤I△≤2I△n

Characteristics Curves

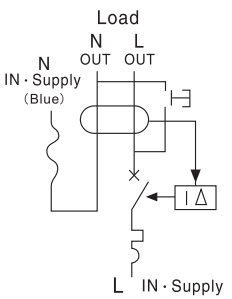


	Thermal Tripping			Magnetic Tripping		
As per IEC60898	No tripping current	Tripping current I_2	Time Limits t	Hold current I_4	Trip current I_5	Time Limits t
B Curve	1.13×I_N		⩾1h	3×I_N		⩾0.1s
		1.45×I_N	<1h		5×I_N	<0.1s
C Curve	1.13×I_N		⩾1h	5×I_N		⩾0.1s
		1.45×I_N	<1h		10×I_N	<0.1s

Circuit Diagram



AC TYPE



A TYPE

Overall and Installation Dimension(mm)