EKL5-63 6KA RCBO　EKL5-63H 10KA RCBO

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

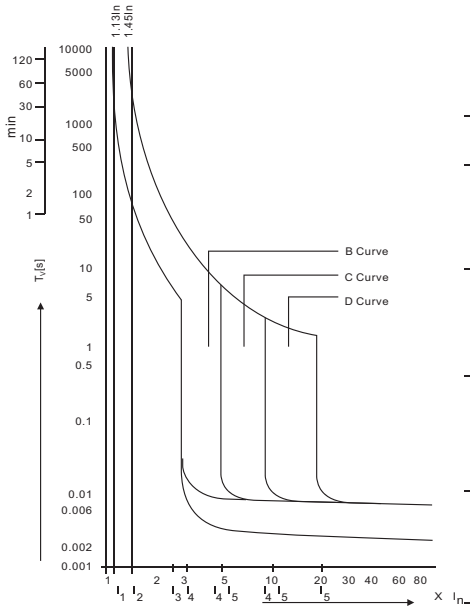
Technical Data

Electrical Features	Mode	Electronic
	Type	AC,A,S
	Rated current In	6,8,10,13,16,20,25,32,40,50,63A
	Poles	2P (1P+N),4P (3P+N)
	Rated voltage Ue	2P 240V~
		4P 415V~
	Insulation voltage Ui	500V
	Rated frequency	50/60Hz
	Rated residual operating current(I△n)	10,30,100,300mA
	Break time under I△n	⩽0.1s(S type＜0.5s)
	Rated breaking capacity	EKL5-63 6,000A　EKL5-63H 10,000A
	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,D
Mechanical Features	Electrica llife	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) bymeans of fast clip device
	Connection	Power supply from top
Combination with accessories	Auxiliary contact	EKM1-OF
	Alarm contact	EKM1-FB
	Shunt release	EKM1-MX
Combination with accessories	Over voltage protection	Yes
	Under voltage protection	Yes
	Over/Under voltage protection	Yes

Tripping Current Range

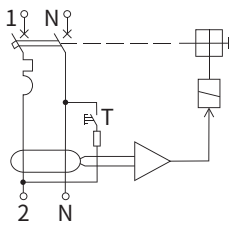
Type	Tripping currentI △/A		
AC	0.5I△n<I△<I△n		
A	Lagging Angle	I△n>0.01A	I△n≤0.01A
	0°	0.35I△n≤I△≤1.4I△n	0.35I△n≤I△≤2I△n
	90°	0.25I△n≤I△≤1.4I△n	0.25I△n≤I△≤2I△n
	135°	0.11I△n≤I△≤1.4I△n	0.11I△n≤I△≤2I△n

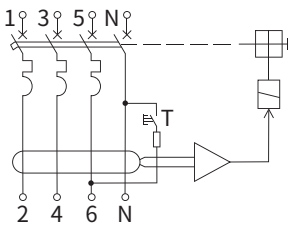
Characteristics Curves



	Thermal Tripping			Magnetic Tripping		
Asper IEC60898	No tripping current	Tripping current I_2	Time Limits t	Hold current I_4	Trip current I_5	Time Limits t
BCurve	1.13×I_N	1.45×I_N	≥1h <1h	3×I_N	5×I_N	≥0.1s <0.1s
CCurve	1.13×I_N	1.45×I_N	≥1h <1h	5×I_N	10×I_N	≥0.1s <0.1s
DCurve	1.13×I_N	1.45×I_N	≥1h <1h	10×I_N	20×I_N	≥0.1s <0.1s

Circuit Diagram





Overall and Installation Dimension(mm)