

EKL1-63 6KA RCCB EKL1-63H 10KA RCCB



Residual Current Circuit Breaker

ETEK[®]

Standard_ IEC61008-1



Technical Data

Electrical Features	Mode	Electromagnetic
	Type	AC,A,G,S
	Rated current In	16,25,32,40,63A
	Poles	2P(1P+N),4P(3P+N)
	Rated voltage Ue	2P 240V~
		4P 415V~
	Insulation voltage Ui	500V
	Rated frequency	50/60Hz
	Rated residual operation current(I Δ n)	10,30,100,300mA
	Rated residual making and breaking capacity (I Δ m)	500(In=16-40A) 630(In=63A)
	Short-circuit current Inc= I Δ c	EKL1-63 6,000A
		EKL1-63H 10,000A
	SCPD fuse	EKL1-63  6000
		EKL1-63H  10000
	Break time under I Δ n	≤0.1s
	Rated impulse withstand voltage(1.5/50) Uimp	4000V
	Dielectric test voltage at ind.Freq. for 1min	2.5kV
Electrical life	2,000 Cycles	
Mechanical life	4,000 Cycles	
Installation	Contact position indicator	Yes
	Protection degree	IP20
	Ambient temperature(with daily average≤35°C)	-5°C~+40°C
	Storage temperature	-25°C~+70°C
	Terminal connection type	Cable/Pin-type busbar/U-type busbar
	Terminal size top/bottom for cable	25mm ² 18-3AWG
	Terminal size top/bottom for busbar	25mm ² 18-3AWG
	Tightening torque	2.5Nm 22In-lbs
Mounting	On DIN rail EN60715(35mm) by means of fast clip device	
Connection	From top and bottom	

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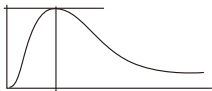
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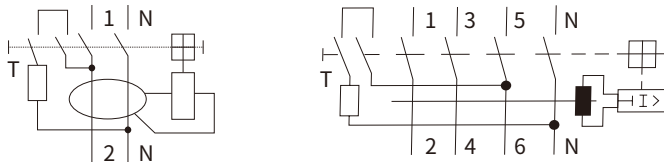
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Tripping
Current
Range

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

Alternative Current Sensitive	Pulsating direct current sensitive	Surge current proof
		
They react to AC current which, whether suddenly applied or slowly arising.	They react to AC and pulsating DC fault current which reach 0 or almost 0 within one time period of the mains frequency.	RCCB' s surge capacity. Not tripping at standardized 8/20 us surge-current waves acc.to VDE 0432 Part 2 with surge current values of up to 250A.

Circuit
Diagram



Overall and Installation Dimension(mm)

