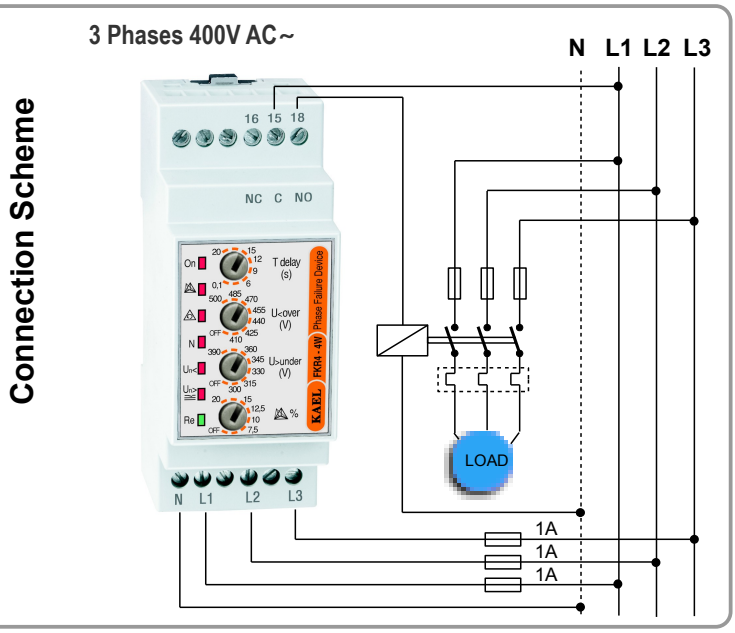
KAEL FKR4 - 4W - 400V — Phase Failure and Phase Sequence Device

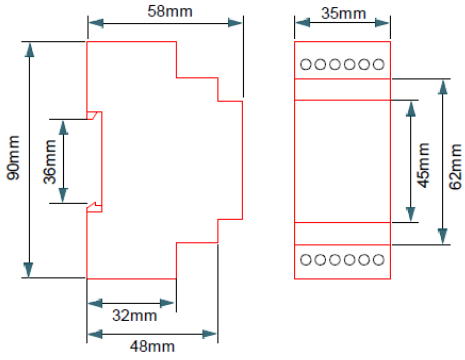
	Phase Sequence Control		
Un <	Over Voltage Protection	OFF,	410V ▪▪▪▪▪▪▪▪ 500V
Un >	Under Voltage Protection	OFF,	300V ▪▪▪▪▪▪▪▪ 390V
	Unbalanced Voltage Protection(Asymmetry)	OFF,	5 % ▪▪▪▪▪▪▪▪ 20 %
	Phase Loss		
	Delay Time		0,1 s ▪▪▪▪▪▪▪▪ 20 s
N	Broken Neutral detection		Device does not allow the output.

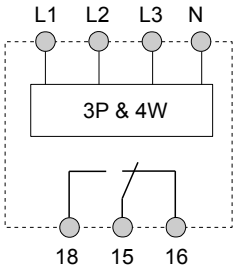
Connection Scheme



TECHNICAL DATA:

Rated Voltage (Un)	: 3 Phases 400V AC~ ⚠
Operating Range	: (0,70 – 1,30) x Un (Un : nominal voltage)
Frequency	: 50/60 Hz.
Delay Time	: 0,1 – 20 sec.
Contact current	: Max.5 A / 250 Vac
Power Consumption	: < 2 VA
Device Protection Class	: IP20
Connector Protection Class:	IP00
Ambient Temperature	: - 20 °C....+ 60 °C
Connection Type	: To connection rail in electrical panel
Dimensions	: 35x90x58 mm

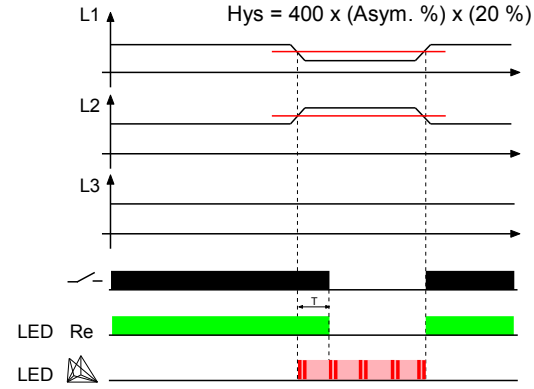




FUNCTIONS

1. Unbalanced Voltage Protection(Asymmetry)
2. Phase Sequence Control and Phase Loss
3. Under Voltage Protection (Un >)
4. Over Voltage Protection (Un <)
5. Over and Under Voltage Protection (Window mode)
6. Broken Neutral detection

1



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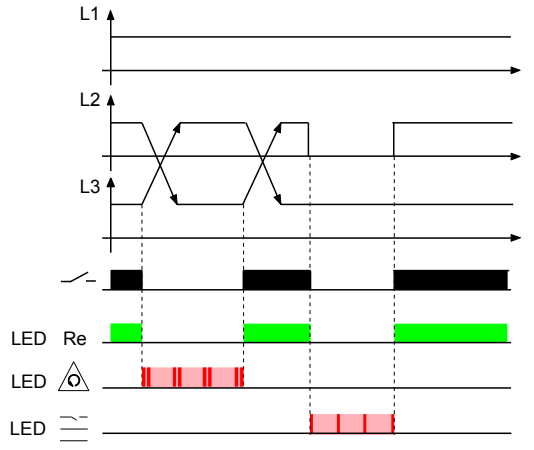

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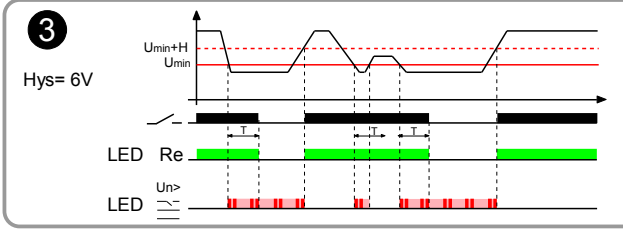

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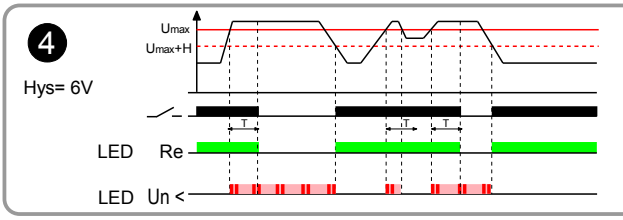

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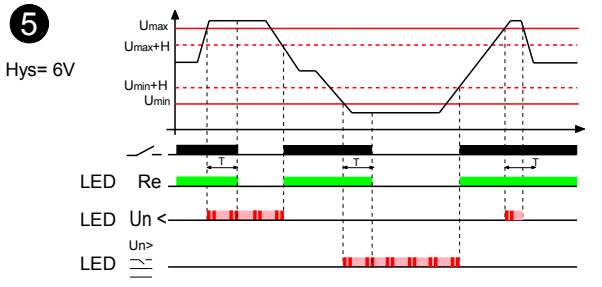

6 when the broken of the neutral cable, device does not allow the output. Power of the device must be shut down and after the neutral cable is repaired, should be give energy.