

- ▶ RECOGNIZE FUSE FAILURE IN THREE-PHASE OR MONO-PHASE MAINS
- ▶ CAN BE USED FOR ALL SIZES AND TYPES OF FUSES
- ▶ SIGNALS OPERATION EVEN IF LOADS ARE SWITCHED OFF
- ▶ AUTOMATIC RESET AFTER REPLACING THE FUSE
- ▶ WORKING PROPERLY EVEN IF:
 - ASYMMETRICAL MAINS
 - INDEPENDENCE OF PHASE SEQUENCE
 - MAINS WITH HARMONIC WAVES
 - MOTORS PROVIDING FEEDBACK
- ▶ INTERNAL RESISTANCE > 2000 Ω/V
- ▶ OUTPUT RELAY 1 POLE CHANGEOVER CONTACT
- ▶ SIZE 2 MODULES - 35mm - DIN RAIL MOUNTING EN50.022
- ▶ SELF-EXTINGUISHED MATERIAL UL94 V0

■ TYPICAL APPLICATION: FUSES MONITORING ON 3-PH MOTOR MAINS

EU Directives - CE Marking:

> 2014/30/UE - EMC

> 2014/35/UE - LVD

TECHNICAL DATA

INPUT	UNIT	FGTFII1	FGTGII1
Supply voltage AC $\pm 10\%$	V~	230	400
Nominal Frequency	Hz	50 - 60 [range: 47 - 63]	
Power consumption (max. AC)	VA	3.6	1.5

OUTPUT RELAY

Rating	-	8A - 250V~ / 24V=
Max switching power	VA	2000
Max switching voltage	V~	400
Min switching load	-	10mA 12V=
Contact life	Mech. Electr.	30 x 10 ³ ops 100 x 10 ³ ops
Changeover contacts	-	AgNi0.15

STATUS INDICATION

Fuse OK	-	Green LED - Relay ON
Fuse FAIL	-	Red LED - Relay OFF

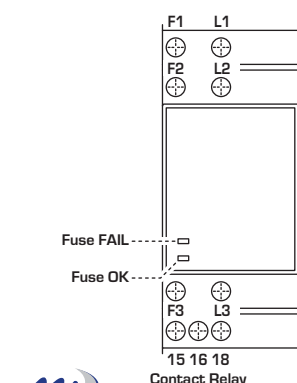
GENERAL

Internal resistance paths	Ω/V	> 2000
Permissible feedback (Ue)	-	max. 90%

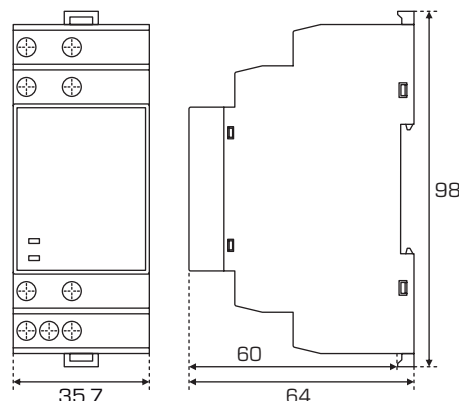
Response/Release Time:

- After Breaking Fuse	ms	< 30
- After Restoring Fuse	ms	< 500
Working temperature	°C	-20 / +50
Storage temperature	°C	-30 / +70
Electrical Insulation	kV	4
Overvoltage Category	-	III
Protection degree	IP	20
Pollution degree	-	2
Climatic category according to [without condensation]	-	IEC 60068-1 (20/050/60) DIN 40040 (class D)
Altitude up to	m	2000
Weight	g	175
Dimensions	mm	98 x 35.7 x 64

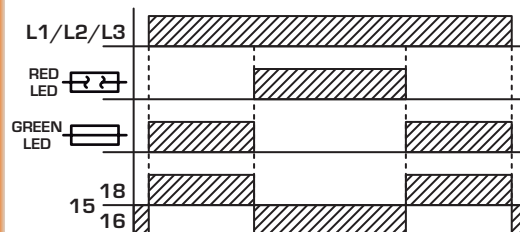
DESCRIPTION



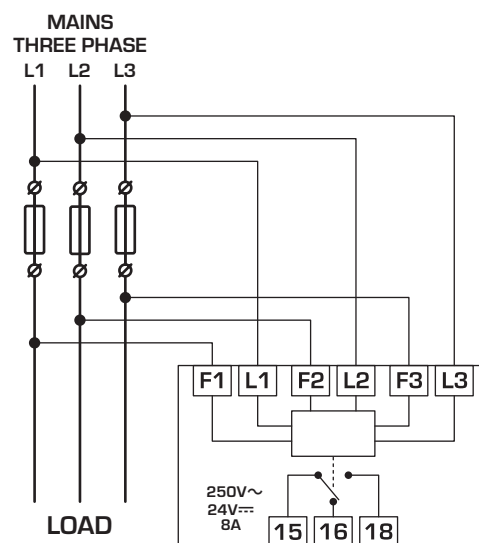
DIMENSIONS (mm)



FUNCTIONS



WIRING DIAGRAM



MAINS MONO PHASE

