FG FGTFII1 / FGTGII1 Fuse Monitor

- 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

AVAILABLE NEW MODEL NOW

RoHS 2 COMPLIANT

CE

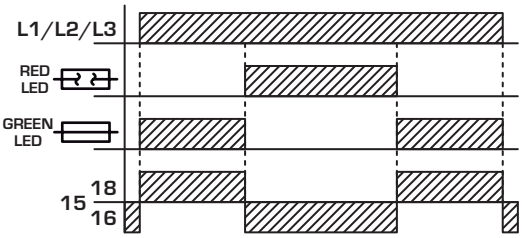
EU Directives - CE Marking:

> 2014/30/UE - EMC
> 2014/35/UE - LVD

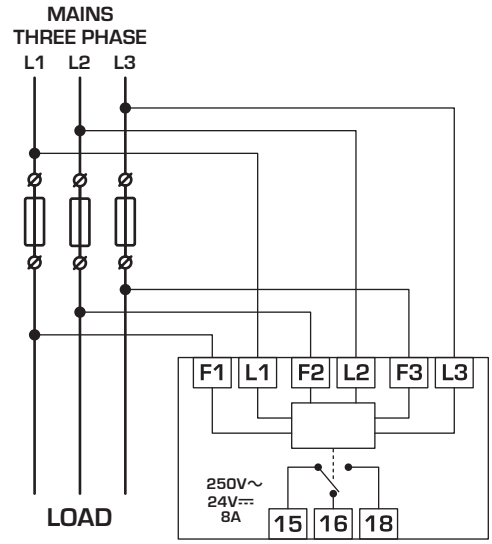
TECHNICAL DATA

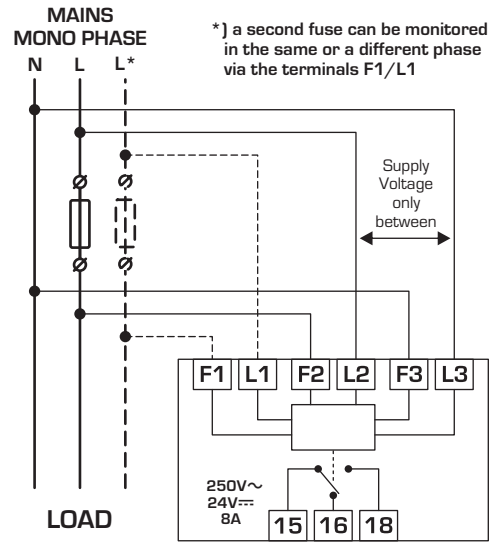
INPUT	UNIT	FGTFII1	FGTGII1
Supply voltage AC ±10%	V~	230	400
Nominal Frequency	Hz	50 - 60 (range: 47 - 63)	
Power consumption (max. AC)	VA	3.6	1.5
OUTPUT RELAY			
Rating	-	8A - 250V~/24V⎓	
Max switching power	VA	2000	
Max switching voltage	V~	400	
Min switching load	-	10mA 12V⎓	
Contact life	Mech. Electr.	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	

FUNCTIONS

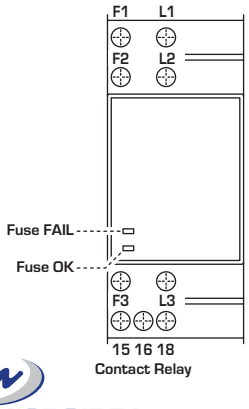


WIRING DIAGRAM





DESCRIPTION



DIMENSIONS (mm)