

# Safety Relay Boards FGR 50

Universal DIN-Rail Mount Board with one force guided relay

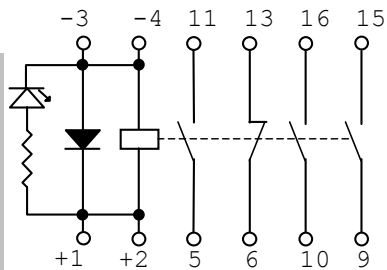
Wiring Diagrams for **FGR50** with **FGR35**, **H-463**, **K-ROS** or **D-56.11&.12** Relays

### Installation Remarks

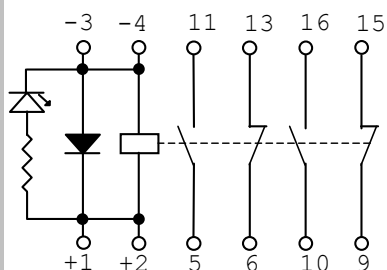
- Turn off all power supplies before any installation work.
- Be aware of all safety rules and guidelines of OSHA and other associations as they apply.
- Installer and/or operator must be a qualified professional.
- Do not demount the unit or remove any wires while relay operates.
- Conductor cross section 0.08 to 2.5 mm<sup>2</sup> (AWG 28 to 14)

All dimensions shown are metric (mm)

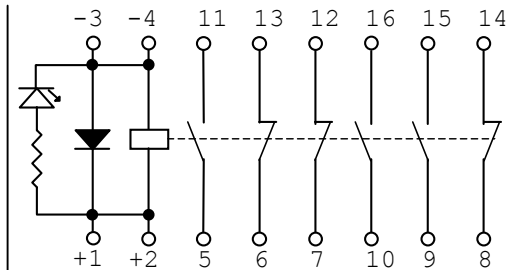
For conversion:  
1 mm = 0.03937 inch  
1 inch = 25.40 mm



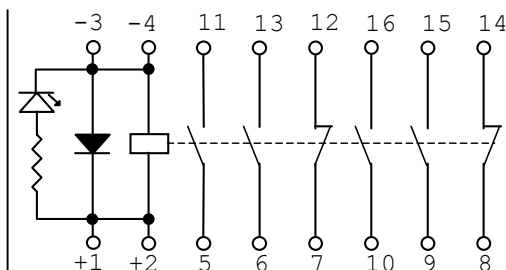
Wiring Diagram 310: 3NO/1NC



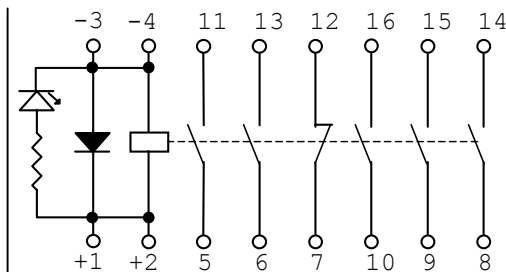
Wiring Diagram 220: 2NO/2NC



Wiring Diagram 330: 3NO/3NC



Wiring Diagram 420: 4NO/2NC



Wiring Diagram 510: 5NO/1NC  
(Not available with 463 & ROS)

### Dimensions

Width: 40.70 mm (1.62 inch)  
Length: 125.20 mm (4.93 inch)  
Height: See table below (depends on relay brand and relay type)

* Maximum unit Height		PCB mount		Socket mount	
BRAND	TYPE	mm	inch	mm	inch
FGR	FGR35-4p/-6p	61.5	2.42	71.5	2.82
HENGSTLER	H-463	67.8	2.67	76.8	3.03
KACO	ROS	61.2	2.41	NA	NA
DOLD	OA56.11/.12	60.3	2.38	NA	NA

