

## Earth fault monitoring system



- **Adjustable alarm levels**
- **Adjustable delay**
- **LED Indication in front**
- **3 Alarm outputs**
- **20-250V DC**

The earth fault relay JFL, monitors the isolation in insulated DC systems. JFL will detect earth fault on both + and - circuits and indicate in what pole a fault occurs with LED indication in the front of the unit.

Earth fault in isolated DC system can cause big problems and should therefore be monitored to ensure a safe operation of the system.

Plus and minus isolation fault will be indicated with two red LED:s in the front. There is also a green LED in the front to indicate operation of the relay.

The relay is constructed to be mounted in a standard 11-pole relay socket which gives a flexible mounting

TYPE LISTING	
Type	JFL-DC1
Mat.-No.	01-50-A230
Category	Monitoring systems

DC INPUT	
Supply/Measuring voltage	20.250V DC

SIGNAL OUTPUTS	
Relay output	1 x Closing contact plus fault 1 x Closing contact minus fault 1 x Change over contact collective fault
Contact load	Max. 220VAC/150VDC/20W/50VA
Contact breaking capacity	1,25A

STANDARD FEATURES	
LED indications	1 x Operation (Green LED) 1 x Earthfault + (Red LED) 1 x Earth fault - (Red LED)
Adjustment range	0,1 - 1.9 MΩ
Adjustable delay	0 - 120 sec.

ENVIRONMENT	
Ambient temperature	Operation: -10°C to +40°C Storage: -30°C to +50°C
Climatic conditions	IEC 721-3-3 class 3K3/3Z1/3B1/3C2/3S2/3M2
Humidity class	F
Altitude	≤ 2000 m a.s.l.,
Audible noise	< 30 dB (A) in 1 m distance

