

GPF1520 Flow Relay Module



Application

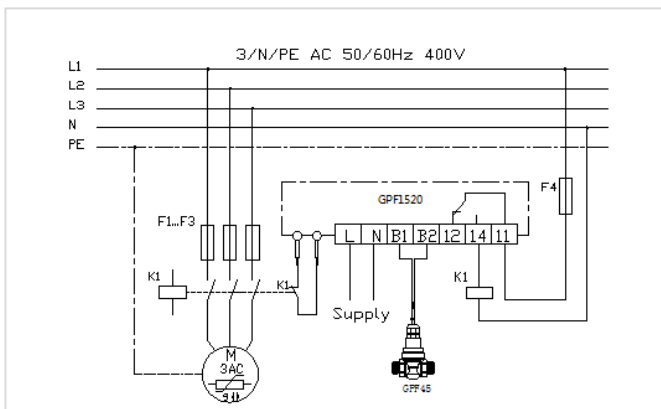
Mainly used for filtering and amplifying of oil flow relay signals in screw compressor.
Also protect and self lock when the oil flow module fails, effective protection of the compressor.

Functions

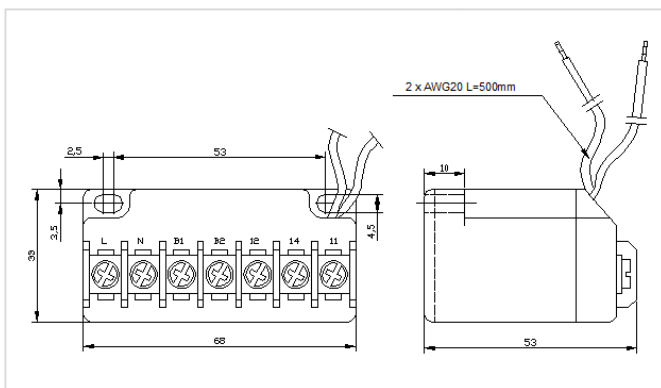
The two orange wires are connected to NC of compressor running contactor, B1 and B2 ports are connected with oil flow relay. After 120S when compressor starts (NC is ON), the output of oil low relay remains closed, when it' off for 15S, the relay switches off and lock. The lock-out can be removed by a mains reset(>5S).

Technical data

Order	Supply voltage
17G08 GPF 10	AC 230V ±15% 5VA
17G08 GPF 11	AC/DC 24V ±15% 3VA
Amp.	-30...70°C
Input	
-running signal	NC (Compressor is running, Off)
-oil flow relay signal	NC (Oil flow normally, closed)
Relay output	Max AC 240V, 2.5A, C300 Min. AC/DC > 24V, > 20mA
Delay	
-Running times	120S
-Oil flow signal jitter	15S
Service life	Approx. 1x10 ⁶ (switches cycles)
Protection class	IP20
Connect	
-running signal	2xAWG20 L=500mm
-oil flow relay signal	Screw terminals (Max. 0.5Nm)
Housing	PA66
Mounting	M4 screw mounted Or on 35 mm standard rail
Dimensions	53x33x68 mm
Weight	Approx. 170g



Wiring diagram



Dimensions(mm)

—Must be connected by trained electrical personnel.