

GRM-H-50-48-AN-MR-1 Cut Sheet



Gefran power controller, current, voltage, potentiometer or pulse width modulation (PWM) input, discrete output, 60–480 VAC load voltage, 50A contact rating, 18–30 VDC operating voltage, NFC (wireless) and RS-485, IP20.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/GRM-H-50-48-AN-MR-1>

Technical Specifications

Brand	Gefran
Item	Power controller
Mounting	35mm DIN rail or panel
Cycle Time	10ms
Input	Current, voltage, potentiometer or pulse width modulation (PWM)
Input Current Signal Range	0–20 mA and 4–20 mA
Input Voltage Signal Range	0–5 VDC and 0–10 VDC
Discrete Input Type	(2) sinking/sourcing
Input Potentiometer Signal Range	1–47k ohm
Output	Discrete
Discrete Output Type	(2) PNP/(1) dry contact N.O.
Load Voltage	60–480 VAC
Contact Rating	50A

Number of Alarm Contacts	1
Alarm Type	(4) selectable
Operating Voltage	18–30 VDC
Control Mode	Zero crossing, burst firing, fixed cycle time, half single cycle and phase angle
Control Function	Single phase and master/slave for 2-phase or 3-phase
Communication Port and Connection Type(s)	• NFC (wireless) • (1) RS-485 (2-pin terminal)
Port Protocol(s)	Modbus RTU Slave
Port Speed(s)	up to 38.4k baud
IP Rating	IP20
Additional Information	NFC configuration via smartphone app; multiple feedback modes; softstart ramp configurable

Agency Approvals

UL Listed File #	E243386
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/2d/GRM-H-50-48-AN-MR-1.pdf>
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