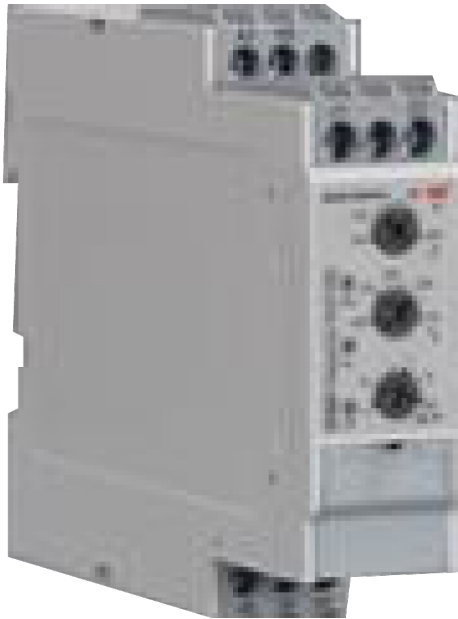


Catalogue No: **DFB-01-C-M24**

MON RLY PRECISE O/U FREQ OWN SUPPLY 24-240V AC SUPPLY 1 CO

Timers and Control Relays > Monitoring Relays > Voltage, Current, Phase and Power Factor Monitoring Relays > Carlo Gavazzi Voltage / Current / Phase and Power Monitoring > Frequency Monitoring Relays > Single Phase



Representative Photo Only
(actual product may vary based on configuration selections)

Frequency monitoring relay, over and under frequency, 49 - 61 Hz, adjustable delay

- Comprehensive range of relays for monitoring of phase loss, incorrect phase sequence, phase unbalance, over / under current, over / under load, over / under frequency, and over / under voltage for various application requirements
- Range available in a variety of package sizes and mounting (DIN or Plug-in) to suit various preferences
- International certifications including ISO 9001 with wide install base ensuring delivery of a quality tested product

SPECIFICATIONS

Product Series	DFB
Component Type Timers and Control relays	Monitoring Relay
Measurement Range(s)	40 ... 51Hz 48 ... 50.2Hz 49 ... 60Hz 49.8 ... 52Hz 50 ... 61Hz 58 ... 60.2Hz 59 ... 70Hz 59.8 ... 62Hz
Umin, Supply Voltage, AC, Min	24 V AC
Umax, Supply Voltage, AC, Max	240 V AC
Ie, Rated Operational Current, AC-1, 250V	8 A@250V
Ie, Rated Operational Current, AC-15, 250V	2.5 A@250V
Ie, Rated Operational Current, DC-12, 24V	5 A@24V
Ie, Rated Operational Current, DC-13, 24V	2.5 A@24V
Ui, Rated Insulation Voltage	250 V (rms)
Rated Frequency	50 / 60 Hz
Overvoltage Category	III
Configuration Method	DIP-Switch
Contact Configuration	1 CO
Uimp, Impulse Withstand Voltage	4 kV
Connection Method	Direct connect
Terminal Type	Screw Terminal(s)
Mounting	DIN-35 Rail Mount
Material, Body / Housing	Noryl material
Material, Contacts	Silver Tin Oxide (AgSnO ₂) material
IP Rating	IP20
Indicator Type	LED

Catalogue No: **DFB-01-C-M24**

MON RLY PRECISE O/U FREQ OWN SUPPLY 24-240V AC SUPPLY 1 CO

Timers and Control Relays > Monitoring Relays > Voltage, Current, Phase and Power Factor Monitoring Relays > Carlo Gavazzi Voltage / Current / Phase and Power Monitoring > Frequency Monitoring Relays > Single Phase



Details, Indicator	Power supply ON LED, green. Alarm ON LED, red (flashing 2 Hz during delay time). Output relay ON LED, yellow.
Electrical Service Life at Un, In	100000 cycles
Mechanical Service Life	30000000 cycles
Tightening Torque, Max	0.5 Nm
Dielectric Strength	≥ 2 kVAC (rms) V AC
Pollution Degree	3
Storage Temperature, Min	-30 °C min
Storage Temperature, Max	80 °C max
Operating Temperature, Min	-20 °C min
Operating Temperature, Max	60 °C max
Height	80 mm
Width	22.5 mm
Depth	99.5 mm
Weight	0.15 kg
Standards Compliance	EN 60255-1 EN 61000-6-2 EN 61000-6-3 IEC 60664 IEC 60947
Certifications	CE CSA UL

REFERENCES

IECEx Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	DFB01CM24_Installation Instructions
User Manual:	-
Manufacturer Datasheet:	DFB01CM24_Manufacturer Datasheet
Manufacturer Catalogue & Product Selection:	-

DFB01

