

DCB-72 Aac-20R, digital ammeter, 72 x 72, 2 output relays

Code: M22252.

- > Scale: 1 A / 5 A
- > N° relays: 2
- > System: AC
- > Mounting: Pannel
- > Modules: 72 x 72

Description

Panel-mounted digital instruments that display the value of an electrical variable measured or proportional value of a process signal on its screen (depending on the model). Designed to supervise, regulate and control units with the use of relay outputs that are built in the unit.

The **DCB** series displays the value of an electrical variable measured or proportional value of a process signal on its screen (depending on the model). The unit displays the electrical parameters of a single-phase installation, depending on the model, such as the voltage, current, etc. In DC systems, the unit can measure the voltage, current, frequency and other variables associated with industrial processes. The AC models take the measurements in true RMS (TRMS).

All models in this range have the following features:

- $\,\circ\,\,$ Universal power supply at 80 ... 270 $V_{ac/dc}$ and optional power supply at 24 V_{dc}
- IP 54 protection degree on the front panel
- High measurement accuracy
- Programmable measuring input
- Alarm delays and interlockings
- Galvanic insulation between external circuits
- Self-configurable decimal point
- \circ Can be installed on 48 x 48 or 72 x 72 mm panels, depending on the model

Application

These digital instruments have many different applications and can be used in:

- Industrial applications
- Air conditioning units
- Solar photovoltaic energy installations
- Industrial process control systems

Circutor



Panel-mounted digital instruments

Code: M22252.

Specifications

AC power supply	
Installation category	CAT III 300 V
Consumption	1.8 4 VA
Frequency	50/60 Hz
Nominal voltage	80270 V ~
DC power supply	
Installation category	CAT III 300 V
Consumption	1.1 1.2 W
Nominal voltage	80270 Vdc
Environmental characteristics	
Protection class	Front: IP54, Rear: IP20
Relative humidity (without condensation)	≤ 95 %
Storage temperature	-40 +85 °C
Working temperature	-40 +70 °C
Mechanical characteristics	
Envelope	Polycarbonate + ABS
Weight (kg)	0,19
Current measurement circuit	
Installation category	CAT III 300 V
Consumption	< 0.2 VA
Nominal current (In)	1 A / 5 A ~
Allowable overload	1.2 In continuous, 10 In instantaneous(5s)
/oltage measurement circuit	
Sampling frequency	4565 Hz
Voltage measuring range	4565 Hz
Standards	
Standards Electrical safety, Maximum height (m)	2000
	2000 CAT III 300 V
Electrical safety, Maximum height (m)	





Panel-mounted digital instruments

Code: M22252.

Keyboard	4 keys
Display type	LED 5 digits
Digital relay outputs	
Quantity	2
Maximum current	5 A ~
Maximum open contact voltage	277 V ~
Electrical life	(250 V ~ / 5 A) 1 x 10 ⁵
Mechanical life	5 x 10 ⁶
Maximum switching capacity	1250 VA
Measurement accuracy	
Phase current measurement	0.5 %

DCB

Digital instrument

CODE	TYPE	Scale	N° relays	System	Modules
Voltmeters					
M22110.	DCB-48 Vac	63,5 V / 100 V / 110 V /230 V /380 V /480 V	-	AC	48 x 48
M22210.	DCB-72 Vac	63,5 V / 100 V / 110 V /230 V /380 V /480 V	-	AC	72 x 72
M22212.	DCB-72 Vac-20R	63,5 V / 100 V / 110 V /230 V /380 V /480 V	2	AC	72 x 72
M22120.	DCB-48 LVdc	± 10 V	-	DC	48 x 48
M22220.	DCB-72 LVdc	± 10 V	-	DC	72 x 72
M22222.	DCB-72 LVdc-20R	± 10 V	2	DC	72 x 72
M22130.	DCB-48 HVdc	± 500 V	-	DC	48 x 48
M22230.	DCB-72 HVdc	± 1500 V	-	DC	72 x 72
M22232.	DCB-72 HVdc-20R	± 1500 V	2	DC	72 x 72
Ammeters					
M22150.	DCB-48 Aac	1 A / 5 A	-	AC	48 x 48
M22250.	DCB-72 Aac	1 A / 5 A	-	AC	72 x 72
M22252.	DCB-72 Aac-20R	1 A / 5 A	2	AC	72 x 72
M22170.	DCB-48 Adc	1 A / 5 A	-	DC	48 x 48
M22270.	DCB-72 Adc	1 A / 5 A	-	DC	72 x 72
M22272.	DCB-72 Adc-20R	1 A / 5 A	2	DC	72 x 72
Process indi	cators				
M22140.	DCB-48 mVdc	60 mV / 75 mV / 100 mV / 150 mV / 200 mV	-	DC	48 x 48
M22240.	DCB-72 mVdc	60 mV / 75 mV / 100 mV / 150 mV / 200 mV	-	DC	72 x 72
M22242.	DCB-72 mVdc-20R	60 mV / 75 mV / 100 mV / 150 mV / 200 mV	2	DC	72 x 72





Panel-mounted digital instruments

Code: M22252.

CODE	TYPE	Scale	N° relays	System	Modules
M22160.	DCB-48 mAdc	-20 +20 mA / 020 mA / 420 mA	-	DC	48 x 48
M22260.	DCB-72 mAdc	-20 +20 mA / 020 mA / 420 mA	-	DC	72 x 72
M22262.	DCB-72 mAdc-20R	-20 +20 mA / 020 mA / 420 mA	2	DC	72 x 72

Circutor





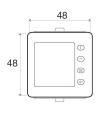
Panel-mounted digital instruments

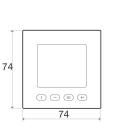
Code: M22252.

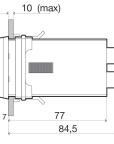
Dimensions

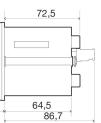
Connections

L



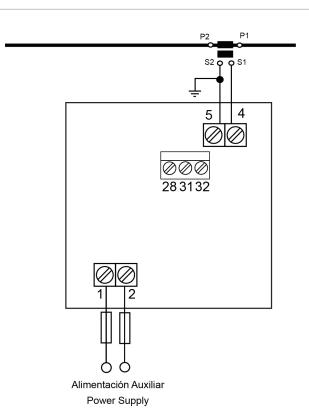






12,5

Units: mm



Circutor