



DCB-48 mAdc, digital process indicator 48 x 48

Code: M22160.

> Scale: -20 ... +20 mA / 0...20 mA / 4...20 mA

> Nº relays: -> System: DC > Mounting: Pannel > Modules: 48 x 48

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}
- o IP 54 protection degree on the front panel
- High measurement accuracy
- O Programmable measuring input
- Alarm delays and interlockings
- o Galvanic insulation between external circuits
- o Self-configurable decimal point
- O 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:

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







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Specifications

AC power supply	
Installation category	CAT III 300 V
Consumption	0.6 3 VA
Frequency	50/60 Hz
Nominal voltage	80270 V ~
DC power supply	
Installation category	CAT III 300 V
Consumption	0.2 0.4 W
Nominal voltage	80270 Vdc
Environmental characteristics	
Protection class	Frontal: 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)	0,1
Current measurement circuit	
Installation category	CAT III 300 V
Consumption	< 0.2 VA
Nominal current (In)	± 20 mA / 0 20 mA / 4 20 mA
Allowable overload	1.2 In continuous, 10 In instantaneous(5s)
Standards	
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300 V
Electrical safety, Contamination level/class	Pollution resistance 2
Standards	IEC 61010-1, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11
User interface	
Keyboard	4 keys
Display type	LED 4 digits
Measurement accuracy	







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Phase current measurement

0.5 %

DCBDigital 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
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







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Dimensions Connections







