

Type: **MFD-CP8-ME**
 Article No.: **267164**

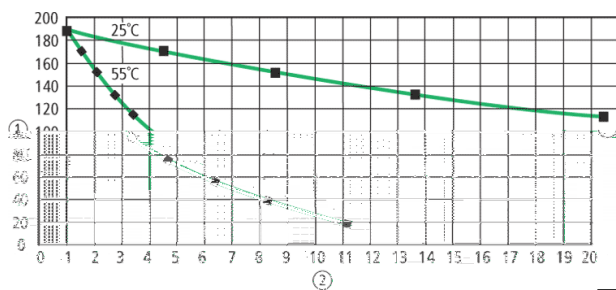


IP20, cage clamp terminals

Ordering information			
Description			Cage clamp terminals Serial interface Suitable for connection of Easy expansions
Power supply		V DC	24 V DC

Notes concerning the product group

Backup of real-time clock (only for appropriate devices)



① Backup time (hours)

② Operating time (years)

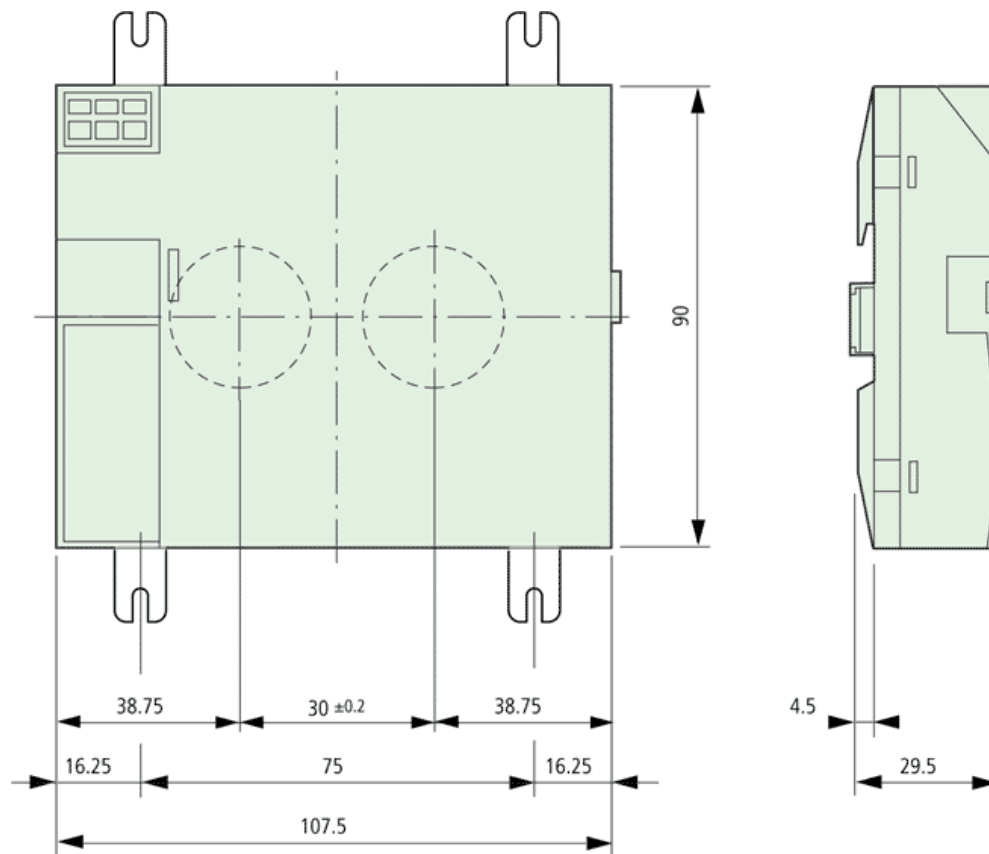
General

Standards			EN 61000-6-1/-2/-3/-4, IEC 60068-2-6, IEC 60068-2-27
Weight		kg	0,145
Mounting			Fitted onto the fixing shaft of the display or onto top-hat rail to IEC/EN 60715 , 35 mm depth (without display) (mounting plate thickness: 1 – 4 mm) or by instrument feet (without display). When using top-hat rail MFD-TS-144, the mounting plate thickness is 1 – 6 mm.
Terminal capacities			
Solid		mm ²	0.24 (AWG 24 – 12)
Flexible with ferrule		mm ²	0.22.5 (AWG 24 – 12)
Standard screwdriver		mm	3.5 × 0.6
Climatic environmental conditions			
Operating ambient temperature		° C	–25 to 55, cold as per IEC 60068-2-1, heat as per IEC 60068-2-2
Condensation			Take appropriate measures to prevent condensation
Storage		° C	–40/+70
Relative humidity, non-condensing (IEC/EN 60068-2-30)		%	5 – 95
Air pressure (operation)		hPa	795 – 1080
Ambient conditions, mechanical			
Pollution degree			2
Degree of protection (IEC/EN 60529)			IP 20
Vibrations (IEC/EN 60068-2-6)			
Constant amplitude 0.15 mm		Hz	10 – 57
Constant acceleration 2 g		Hz	57 – 150
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Impacts	18
Drop to IEC/EN 60068-2-31	Drop height	mm	50
Free fall, packaged (IEC/EN 60068-2-32)		m	1
Mounting position			horizontal, vertical
Electromagnetic compatibility (EMC)			
Electrostatic discharge (IEC/EN			

61000-4-2, Level 3, ESD)			
Air discharge		kV	8
Contact discharge		kV	6
Electromagnetic fields (IEC/EN 61000-4-3, RFI)		V/m	10
Radio interference suppression (EN 55011)			EN 55011 Class B, EN 55022 Class B
Burst pulses (IEC/EN 61000-4-4, level 3)			
Supply cables		kV	2
Signal lines		kV	2
High-energy pulses (surge) (IEC/EN 61000-4-5)		kV	2 (supply cables, symmetrical)
High-energy pulses (surge) (IEC/EN 61000-4-5, level 2)		kV	0.5 (supply cables, symmetrical)
Immunity to line-conducted interference to (IEC/EN 61000-4-6)		V	10
Insulation resistance			
Clearance in air and creepage distances			EN 50178, UL 508, CSA C22.2, no. 142
Insulation resistance			EN 50178
Backup/accuracy of the real-time clock			
Accuracy of the real-time clock			Normally ± 5 s/day (± 0.5 h/year)
Repetition accuracy of timing relays			
Accuracy of timing relays (of values)		%	$\pm 0,02$
Resolution			
Range "S"		ms	5
Range "M:S"		s	1
Range "H:M"		min	1
Retentive memory			
Write cycles of the retentive memory			10^{10} (read/write cycles)
Power supply			
Rated operational voltage	U_e	V	24 DC (-15+20 %)
Admissible range		V DC	20,4 – 28,8
Residual ripple		%	5
Input current			
at 24 V DC		mA	Normally 200
Voltage dips (IEC/EN 61131-2)		ms	10
Power loss			
Heat dissipation at 24 V DC		W	3.4

Dimensions

Dimensions



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