

Type: **MFD-CP4-800**
 Article No.: **274095**



IP20, cage clamp terminal in conjunction with sensor

Ordering information			
Description			Rated operational voltage 24 V DC Serial interface Connection to M22-ESA with MFD-80-B (Emulation software only required for commissioning/modifications) With integral connecting cable (5 m, can be cut to length)

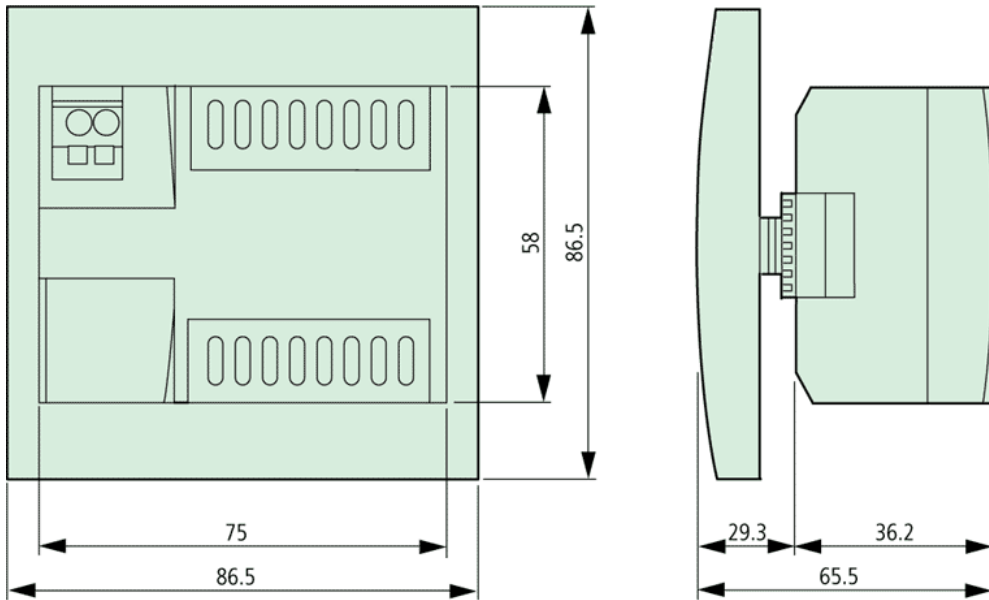
General			
Standards			EN 61000-6-1/-2/-3/-4, IEC 60068-2-6, IEC 60068-2-27
Dimensions (W × H × D)		mm	75 × 58 × 36.2
Weight		kg	0,164
Mounting			Fitted onto the fixing shaft of the display

Terminal capacities			
Power supply			
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
Data cable			

Solid		mm ²	0.082.5 (AWG 28 – 12)
Flexible with ferrule		mm ²	0.081.5 (AWG 28 – 12)
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, level 2)		kV	1 (supply cables, symmetrical)
		V	10

Immunity to line-conducted interference to (IEC/EN 61000-4-6)			
Insulation resistance			
Clearance in air and creepage distances			EN 50178, UL 508, CSA C22.2, no. 142
Insulation resistance			EN 50178
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 185
Voltage dips (IEC/EN 61131-2)		ms	10
Heat dissipation at 24 V DC		W	1.5
Point-to-point connection			
Stations			1
Data transfer rate			
easy500, easy700		MBit/s	9.6 kBaud
easy800, MFD			19.2 kBaud
Distance		m	5
Potential isolation			
From power supply			Yes
From the connected device			Yes
Connection technique			Spring-loaded terminals
Dimensions			

Dimensions



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