



Capacitor Extension Module

NCBA0739G01001

1 Short Description

The CEM modul is used to increase the buffer energy for the devices **C-TEC** 2403-05; 2403-1; 2420-8 and 2440P as well as for the devices **AC C-TEC** 2403-05; **AC C-TEC** 2403-1; **AC C-TEC** 2403-1-400; **AC C-TEC** 2420-8.

The **C-TEC** monitors and controls the charging and discharging of the extension moduls.

2 Technical Data

Nominal input voltage	24 V DC
Input voltage range	0... 26,4 V DC
Buffer capacity	
CEM 24-1	1 kJ
CEM 24-2	2 kJ
Nominal input current	3 A DC
Nominal output current	3 A DC
Fusing input	3 A T (PTC internal)
fusing DC output circuit	3 A T (PTC internal)
Protective system	IP 20 and EN 60529
Storage temperature	-40...60°C
Environmental temperature	-40...60°C
Max. mounting heigth (without load reduction)	2000 m above sea level
Dimensions (HxBxT)	92,5 mm, 60 mm, 116 mm
weight	
CEM 24-1	0,52 kg
CEM 24-2	0,65 kg

Technical Datasheet

CEM 24-1



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Elektrotechnik

3 Norms and Regulations

Terminal voltage	SELV / PELV according to EN 50178
Emitted interference	EN 6100-3-2 EN 6100-3-3 class A EN 55011 class B EN 62040 -2
Noise immunity	EN 61000-6-2 EN 62040-2 EN 61000-4-2 (Static discharge ESD) 8kV/6kV EN 61000-4-3 (Electromagnetic fields) 10V/m 27 – 1000MHz 3V/m 1400 - 2700MHz EN 61000-4-4 (fast transients / Burst) DC IN, DC OUT 2kV others 1kV EN 61000-4-5 (Surge) DC IN 0.5kV EN 61000-4-6 (conducted immunity) 10V 150kHz – 80MHz EN 61000-4-11 (voltage interruptions) back-up with ultra capacitor
Total unit	EN 50178 EN 61010-1 / EN 61010-2-201 EN 62368-1 UL 508