



CEM 12-3

NBPA0739G10004

1 Short Description

The CEM modul is used to increase the buffer energy for the devices **C-TEC 1203-05** in AC and DC version.

The **C-TEC 1203** monitors and controls the charging and discharging of the extension moduls.

2 Norms and Regulations

Terminal voltage	SELV / PELV according to EN 50178
Emitted interference	EN 61000-3-2 and EN 61000-3-3 class A EN 55011 class B EN 62040-2
Noise immunity	EN 62040-2 EN 61000-6-2 EN61000-4-2 (static discharge ESD) 8kV/6kV EN61000-4-3 (electromagnetic fields) 10V/m 27 – 1000MHz 3V/m 400 - 2700MHz EN61000-4-4 (fast transients / Burst)DC IN, DC OUT 2kV others 1kV EN61000-4-5 (Surge) DC IN 0.5kV EN61000-4-6 (conducted immunity) 10V 150kHz – 80MHz EN61000-4-11 (voltage interruptions) back-up with ultracapacitor
Total unit	EN 50178 EN 61010-1 / EN 61010-2-201 / EN 62368-1

3 Technical Data

Nominal input voltage	12 V DC +10%
Input voltage range	0...26,4 V DC
Buffer capacity CEM 12-3	3 kJ
Nominal input current	3 A
Nominal output current	3 A
Fusing input	3 A T (PTC internal)
Fusing DC output circuit	3 A T (PTC internal)
Protective system	IP 20 und EN 60529
Storage temperature	-40...60°C
Environmental temperature	-40...60°C
Max. mounting height (without load reduction)	2000 m above sea level
Dimensions (HxWxD)	92,5 mm, 60 mm, 116 mm
weight CEM 12-3	0,65 kg