



CHM24

IEEE / FRA

Feature/specification	CHM24
Standards	IEEE Std. 1482.1-2013 FRA standard 49, (FRA 49 CFR part 229, § 229.135 Annex D)
Basic characteristics	
Temperature range	-77 °F / -25 °C to +158°F / +70 °C (operation) -104 °F / -40 °C to + 185 °F / +85 °C (storage)
Storage medium	minimum 1 GB memory
Connection	1x USB
Mechanical data	acc. to EN 50155 (vibration, shock, temperature)
Electrical data	acc. to EN 50121-3-2 (EMC)
Environmental data	acc. to EN 50155 (EMC)
Dimensions	
Width	6.3 inch (160 mm) without mounting bracket 8.7 inch (220 mm) with mounting bracket
Height	6.3 inch (160 mm) without mounting bracket 6.5 inch (165 mm) with mounting bracket
Depth	10.1 inch (257 mm)
Weight	28.1 lb (13 kg)

FRA	
Fire	750 °C (1400 °F) for 60 min, followed by 260 °C (500 °F) for 10 hours.
Impact shock	55 g peak, 100 ms duration, 1/2 sine crash pulse, no less than 28 m/s velocity area under curve, separately in the direction of each of the three principal axes
Penetration	23 kg (50 lb) weight with a protruding 6.4 mm (0.25 in) diameter steel pin dropped from a height of 1.5 m (5.0 ft).
Static crush	110 kN (25 000 lbf) for 5 min
Fluid immersion	Immersion in any of the following individually for 48 hours: grade 1 and 2 diesel fuel, regular and salt water, and lubrication oil; and Immersion in fire-extinguishing fluids for 10 min, followed by 48 hours in a dry location without being otherwise disturbed.
Hydrostatic pressure	Immersion in salt water at a depth of 15 m (50 ft) for 2 days.

»Crash Hardened Memory Module

acc. to U.S. standards...«

The Crash hardened memory modules CHM 24 is developed acc. IEEE and FRA standards. They were tested in an accredited 3rd party laboratory.

- With USB interface 2.0
- As reading interface
- Basic mechanical and EMC characteristics acc. to European and U.S. standards
- High MTBF and durability
- for integrated or stand-alone installation