

Rittal – The System.

Faster – better – everywhere.



DK 7859.053

PSM Measurement Bar for CMC III

State: 12/16/2025 (Source: rittal.com/us-en)

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



DK 7859.053 - PSM Measurement Bar for CMC III

One or two infeeds, with one or three phases, redundant when the plug-in module's direction of connection is changed. With measurement option in conjunction with the CMC III system.

Features

Model No.	DK 7859.053
Product description	Measurement bars for direct connection to the CMC III system. With a PSM mounting kit, the measurement bar may be vertically mounted in 2000 mm high VX IT, TS IT or TS racks. Display and monitoring of all major output parameters is supported, separated by phase and infeed. An integral display provides a local on-site display in the rack. Remote administration and network connectivity are created via the CMC III system.
Benefits	<ul style="list-style-type: none">Modular systemFor 16 A and 32 A phase currentVarious PSM connection modules (pin patterns)PSM modules may be connected with the system operationalEasy to mountCAN bus for direct connection to CMC III system (RJ 45, 2 x socket)Extensive management and monitoring functions (via CMC III)High-MTBF and measurement accuracy of 1%Energy-efficient electric design – minimal inherent power consumptionHigh-quality aluminum housing, for flexible mountingPower supply via CMC III system (24 V DC)Maximum 8 systems can be connected to a CMC III Processing UnitMaximum 4 systems can be connected to a CMC III Processing Unit Compact
Material	Aluminum extruded section, natural anodized
Length of connection cable	3 m 118 "
Type of connection (electrical)	CEE
Number RJ45 ports for sensor units max	2

Features

Qty.	1
Phases per infeed	1~
Input voltage	230 V, 50/60 Hz
Rated current (max.)	32 A
Module slots (max.)	6
Guidelines	Low-Voltage Directive 2014/35/EU EMC Directive 2014/30/EU
Protection category IP to IEC 60529	IP 20
Standards	EN 61000-6-1 EN 61 000-6-2 EN 55 022
Measurement functions, description	Voltage V, current A, frequency Hz Active power, active energy, apparent power, apparent energy Power factor (cos phi) Neutral conductor measurement/load imbalance detection Measurement per phase or infeed
Suitable for	Enclosure type: VX IT TS IT TS Height: 2,000 mm Enclosure type: VX IT TS IT TS Height: 78.7 "
Operating temperature range	0 °C...45 °C 32 °F...113 °F
Ambient humidity (non-condensing)	10...95 %
Storage temperature range	-25 °C...70 °C -13 °F...158 °F
Packaging unit	1 pc(s).
Net weight	5.685

Features

Gross weight	5.984
Customs tariff number	85369001
EAN	4028177677586
ETIM 9	EC000215
ECLASS 8.0	27371306

Approvals

Approvals	IEC CB VDE
-----------	---------------