

Rittal – The System.

Faster – better – everywhere.



DK 7859.050

PSM measurement bar for CMC III

State: 23/05/2026 (Source: rittal.com/rs-sr)

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



DK 7859.050 - PSM measurement bar for CMC III

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



Features

Model No.	DK 7859.050
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.

Features

Benefits	<p>Modular extendible system</p> <p>For 16 A and 32 A phase current</p> <p>Various PSM connection modules (pin patterns)</p> <p>PSM modules may be connected with the system operational</p> <p>Easy to assemble</p> <p>CAN bus for direct connection to CMC III system (RJ 45, 2 x socket)</p> <p>Extensive management and monitoring functions (via CMC III)</p> <p>High-MTBF and measurement accuracy of +/- 1%</p> <p>Energy-efficient electric design – minimal inherent power consumption</p> <p>High-quality aluminium housing, for flexible mounting</p> <p>Power supply via CMC III system (24 V DC)</p> <p>Max. 8 systems may be connected to one CMC III Processing Unit</p> <p>Max. 4 systems may be connected to one CMC III Processing Unit</p> <p>Compact</p>
Material	Extruded aluminium section, anodised
Type of electrical connection	Jack
Qty.	2
Phases per infeed	3~
Input voltage	230 V/400 V (50/60 Hz)
Rated current (max.)	16 A
Module slots (max.)	6
Directives	<p>Low Voltage Directive 2014/35/EU</p> <p>EMC Directive 2014/30/EU</p>
IP protection category to IEC 60529	IP 20
Standards	<p>EN 61000-6-1</p> <p>EN 61 000-6-2</p> <p>EN 55 022</p>
Measurement functions, description	<p>Voltage V, current A, frequency Hz</p> <p>Active power, active energy, apparent power, apparent energy</p> <p>Power factor (cos phi)</p> <p>Zero conductor current measurement/load imbalance detection</p> <p>Measurement per phase or infeed</p>

Features

To fit	Enclosure type: VX IT TS IT TS Height: 2,000 mm
Operating temperature range	0 °C...45 °C
Ambient humidity (non-condensing)	10...95 %
Storage temperature range	-25 °C...70 °C
Packs of	1 pc(s).
Net weight	4,021 kg
Gross weight	4,36 kg
Customs tariff number	85369001
ETIM 9	EC000215
ECLASS 8.0	27371306
Product description	DK PSM measurement bar, 230 V/400 V, 3~, 16 A, 50/60 Hz, Infeed: 2, For H: 2000 mm

Approvals

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