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## DK 7859.050

## PSM Measurement Bar for CMC III

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FRIEDHELM LOH GROUP



# DK 7859.050 - 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 7859.050  |
| 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                            | Modular system<br>For 16 A and 32 A phase current<br>Various PSM connection modules (pin patterns)<br>PSM modules may be connected with the system operational<br>Easy to mount<br>CAN bus for direct connection to CMC III system (RJ 45, 2 x socket)<br>Extensive management and monitoring functions (via CMC III)<br>High-MTBF and measurement accuracy of 1%<br>Energy-efficient electric design – minimal inherent power consumption<br>High-quality aluminum housing, for flexible mounting<br>Power supply via CMC III system (24 V DC)<br>Maximum 8 systems can be connected to a CMC III Processing Unit<br>Maximum 4 systems can be connected to a CMC III Processing Unit Compact |
| Material                            | Aluminum extruded section, natural anodized   |
| Type of connection (electrical)     | Socket  |
| Qty.                                | 2   |
| Phases per infeed                   | 3~  |
| Input voltage                       | 230 V/400 V (50/60 Hz)  |
| Rated current (max.)                | 16 A  |
| Module slots (max.)                 | 6   |
| Guidelines                          | Low-Voltage Directive 2014/35/EU<br>EMC Directive 2014/30/EU  |
| Protection category IP to IEC 60529 | IP 20   |
| Standards                           | EN 61000-6-1<br>EN 61 000-6-2<br>EN 55 022  |
| Measurement functions, description  | Voltage V, current A, frequency Hz<br>Active power, active energy, apparent power, apparent energy<br>Power factor (cos phi)<br>Neutral conductor measurement/load imbalance detection<br>Measurement per phase or infeed   |

# Features

|                                   |  |
|-----------------------------------|--|
| Suitable for                      | Enclosure type: VX IT<br>TS IT<br>TS<br>Height: 2,000 mm |
| Operating temperature range       | 0 °C...45 °C   |
| Ambient humidity (non-condensing) | 10...95 %  |
| Storage temperature range         | -25 °C...70 °C   |
| Packaging unit                    | 1 pc(s).   |
| Net weight                        | 4.021  |
| Gross weight                      | 4.36   |
| Customs tariff number             | 85369001   |
| EAN                               | 4028177677579  |
| ETIM 9                            | EC000215   |
| ECLASS 8.0                        | 27371306   |

# Approvals

|           |               |
|-----------|---------------|
| Approvals | IEC CB<br>VDE |
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