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DK 7979.711

RCM measurement module – Inline Meter

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DK 7979.711 - RCM measurement module – Inline Meter

Autonomous energy metering unit (including differential current monitoring) in a 1 U/19" form factor. The unit is incorporated into the supply lead to the equipment, a PDU basic or a modular PDU without measurement function. All key electrical characteristics are logged.

Features

Model No.	DK 7979.711
Design	16 A / single-phase
Product description	Autonomous energy metering unit (including differential current monitoring) in a 1 U/19" form factor. The unit is incorporated into the supply lead to the equipment, a PDU basic or a modular PDU without measurement function. All key electrical characteristics are logged in the same way as with a PDU metered. Additionally, the measurement module features an integral differential current measurement (type B) for fault current monitoring of the connected equipment. Consumption data is conveniently retrieved via a network interface or locally via a TFT display. Additionally, all the PDU metered interfaces, e.g. for connecting external sensors and smart handle systems, are available.
Benefits	The ideal solution for upgrading existing installations which lack modern measurement functions Includes differential current measurement/fault current monitoring Extensive measuring functions (as for PDU metered) Versions with connection cable and CEE connectors, ready to use immediately Fast upgrade, installation only requires a brief interruption to operation Compact 1 U 482.6 mm (19˝) enclosure with pre-assembled connection cables High degree of measurement accuracy (typically ±1%) Energy-efficient design, minimal inherent power consumption Acoustic alarm may be set if certain limits are exceeded (such as fault currents) Integral GbE interface with web server for autonomous operation without other components
Material	Extruded aluminium section, anodised

Features

General colour	RAL 9005
Colour	RAL 9005
Options	CMC III CAN bus sensors may be connected for ambient monitoring, max. 16 sensors
Power consumption	3.7 kW
Type of electrical connection	CEE connector/coupling
Phases per infeed	1~
Rated current (max.)	16 A
Directives	Low Voltage Directive 2014/35/EU EMC Directive 2014/30/EU
Standards	EN 62368-1 EN 61000-4 EN 61000-6 EN 55 022
Dimensions	Width: 450 mm Height: 144 mm Depth: 44 mm
Interfaces	Fully redundant Ethernet interface 10/100/1000 Mbit/s (2x RJ45, 1x with PoE) USB 2.0 port (USB-A) for mass configuration, firmware updates & data logging CAN bus interface (RJ 45) for a maximum of 16 ambient sensors Serial interface RS232 (RJ12) for LTE unit, scripting, CLI Use of own certificates/TLS 1.2 E-mail forwarding in case of alarm (SMTP) User administration including rights management LDAP(S)/Radius/Active Directory connection Syslog server connection (max. 2 servers)
Input cable connection (type/ length)	H05VV-F3G2.5, 2 m
Output cable connection (type/ length)	H05VV-F3G2.5, 1,2 m
Packs of	1 pc(s).
Net weight	3.1 kg

Features

Gross weight	3.34 kg
CRA risk class	Default (Low Risk)
Customs tariff number	85369095
ETIM 9	EC002762
ECLASS 8.0	27060402
Product description	DK RCM measuring module – inline meter, autonomous energy acquisition unit, for PDU basic or modular PDU without measuring functions, 1 U, 482.6 mm (19"), incl. sensor interface, rated power: 3.7 kW, rated current: 16 A, 1~, connection type: CEE connector/ coupling, connection cable / length: H05VV F3G2.5 / 1 m, extruded aluminium section, anodised, RAL 9005

Approvals

Approvals	Cyber Security Certificate TÜV-tested safety
Explanations	Declaration of conformity