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DK 7979.714

RCM measurement module – Inline Meter

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FRIEDHELM LOH GROUP



DK 7979.714 - 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 7979.714 |
| Design | 32 A / three-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 | <p>The ideal solution for upgrading existing installations which lack modern measurement functions</p> <p>Includes differential current measurement/fault current monitoring</p> <p>Extensive measuring functions (as for PDU metered)</p> <p>Versions with connection cable and CEE connectors, ready to use immediately</p> <p>Fast upgrade, installation only requires a brief interruption to operation</p> <p>Compact 1 U 482.6 mm (19") enclosure with pre-assembled connection cables</p> <p>High degree of measurement accuracy (typically $\pm 1\%$)</p> <p>Energy-efficient design, minimal inherent power consumption</p> <p>Acoustic alarm may be set if certain limits are exceeded (such as fault currents)</p> <p>Integral GbE interface with web server for autonomous operation without other components</p> |
| Material | Extruded aluminium section, anodised |

Features

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|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General colour | RAL 9005 |
| Colour | RAL 9005 |
| Options | CMC III CAN bus sensors may be connected for ambient monitoring, max. 16 sensors |
| Power consumption | 22 kW |
| Type of electrical connection | CEE connector/coupling |
| Phases per infeed | 3~ |
| Rated current (max.) | 32 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-F5G4.0, 2 m |
| Output cable connection (type/length) | H05VV-F5G4.0, 1,2 m |
| Packs of | 1 pc(s). |
| Net weight | 3,2 kg |

Features

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gross weight | 3,7 kg |
| 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: 22.0 kW, rated current: 32 A, 3~, connection type: CEE connector/ coupling, connection cable / length: H05VV F5G4.0 / 1 m, extruded aluminium section, anodised, RAL 9005 |

Approvals

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|--------------|---------------------------|
| Approvals | TÜV |
| Explanations | Declaration of conformity |