multicount D5



MID energy meter

Highlights

- → Compliant with measurement and calibration law
- MID approval (B+D) for billing purposes
- \rightarrow 4-quadrant counter (P+|P-|Q+|Q-)
- Meter for delimitation of third-party quantities
- → eBus interface

An overview of the **technical details** is provided on page 17.

The **multicount D5** sets new standards for DIN rail energy meters. A variety of measured values can be transmitted via the KBR eBus interface. The **multicount D5** is available as a direct measurement meter up to 75 A and as a transformer meter.

The load profile of all four quadrants (P+|P-|Q+|Q-) can be read and analyzed via the energy data management software visual energy.

The **multicount** is excellently suited for industrial system and commercial use, cost center billing and sub-measurements as well as delimitation of third-party quantities.

Like all **KBR products**, MID energy meters are designed for maximum performance, durability, functionality, and sophisticated measuring tasks.

Device types

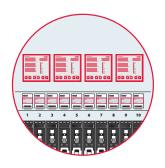
| Type [1] | multicount D5-3P-1/5A-MID • Transformer meter 1 A and 5 A Item No. 23821 |
|----------|--|
| Type [2] | multicount D5-3P-1/75A-MID • Direct measurement meter Item No. 24193 |
| Type [3] | MULTICOUNT D5-2-ES-3P-1/5A-MID • Transformer meter 1 A and 5 A • With eBus interface Item No. 24194 |
| Type [4] | multicount D5-2-ES-3P-75A-MID Direct measurement meter With eBus interface Item No. 24195 |
| | |

| TYPE | | [1] | [2] | [3] | [4] | | | |
|--|------------------------------|---------|---------------------------------------|---------|-----|--|--|--|
| standard rail mounting | | | | | | | | |
| Transformer measurement | | - | | - | | | | |
| Direct measurement | | - | | - | | | | |
| MID certified according to | | | | | | | | |
| Illuminated LCD display, ac | ccuracy class B (1%) | | | | | | | |
| Measuring voltage U _m 230, | /400 V (+/- 20%) | | | | | | | |
| Measuring current I _m | 3 x 0.016 A AC | | - | | - | | | |
| | Direct connection up to 75 A | - | | - | | | | |
| Current transformer ratio 5/5 to 20,000/5A or 1/1 to | 4,000/1A | | - | | - | | | |
| Interface | KBR eBus RS485 | - | - | | | | | |
| Working pulse outputs S0 | | 11 | 1 ¹ | 42 | 42 | | | |
| Protection type | | Termina | Terminals IP 20 / Housing IP 51, SK I | | | | | |
| Size 5 TE H x W x D | | | 90 x 90 > | x 67 mm | | | | |

¹1Working pulse output for active energy consumption (kWh)

Cost savings through increased efficiency

Our solutions for contemporary energy management.



When measurement alone is not enough

Capturing and documenting energy data has never been easier. Standard and consumption values, load profiles or easily recording countless forms of energy, media, and states – our measuring devices meet the most diverse requirements with the highest level of safety and precision.

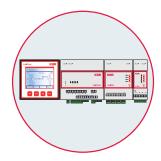




We make energy visible

With its impressive functionality, visual energy allows for transparent and efficient energy management. You can easily capture, monitor, analyze and process the most diverse energy information from networks or systems. This helps you track your energy costs.

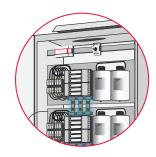




Intelligent load distribution that pays off in several ways

The key to successful energy optimization is the perfect coordination of reliable product technology and intelligent load control. With its system architecture and comprehensive functionality, the system is highly efficient for the most diverse applications.





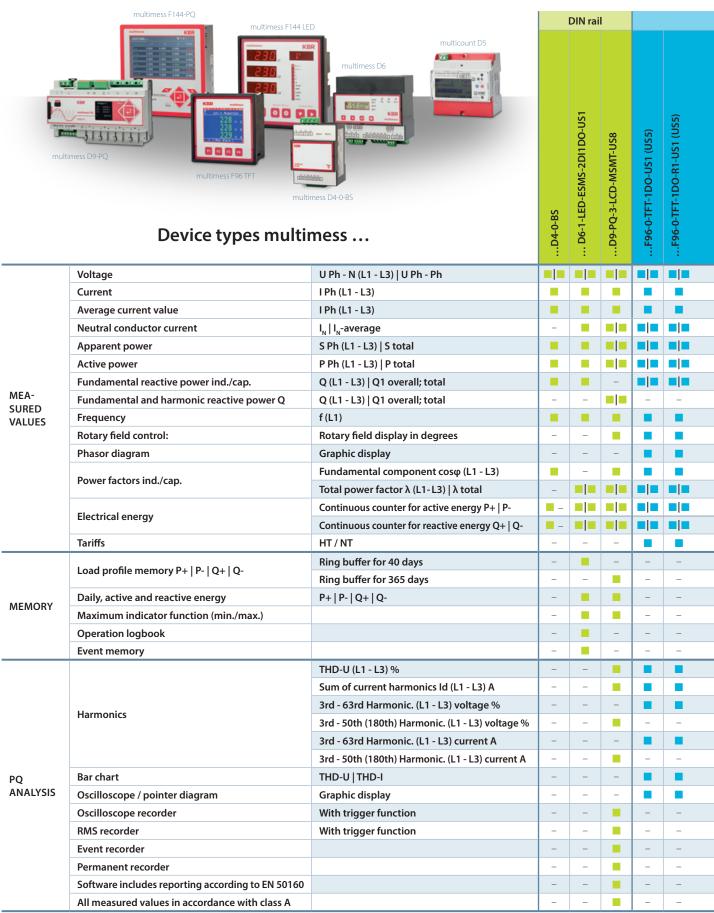
Spot-on network quality

The use of compensation systems does not only reduce the reactive current costs but also the load on a company's lines and distributions. Intelligent controllers, innovative components, as well as the perfectly matched construction considerably increase the operating life as well as your profit.

Control

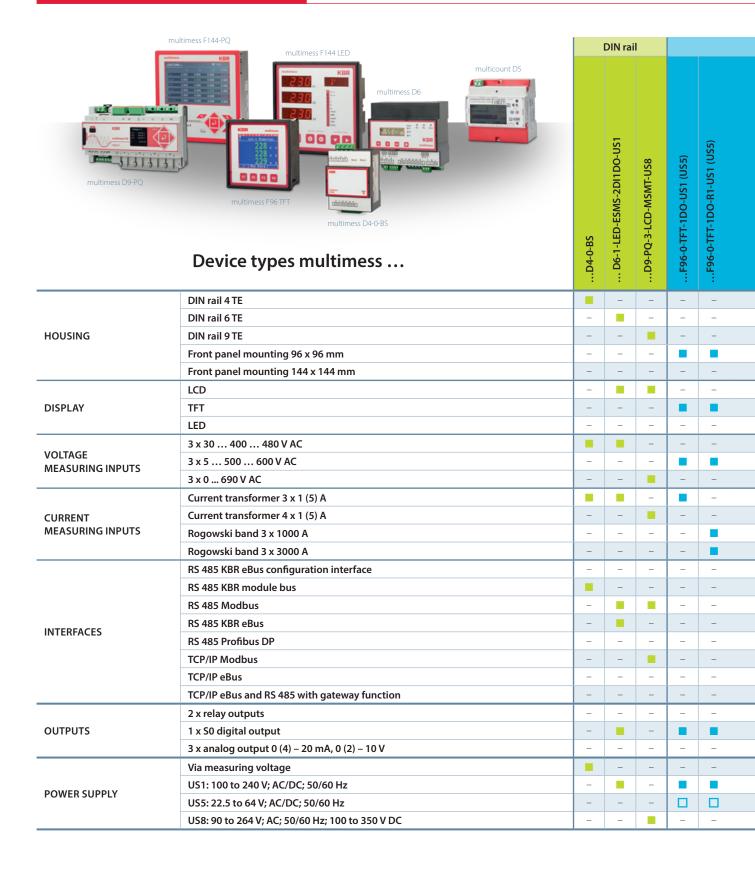
²4 Working pulse outputs for supply and consumption of active and reactive energy

multimess Device matrix



| Switchboard installation 96 x 96 mm | | | | | | | | | | | | | | Switchboard installation 144 x 144 mm | | | | | | | | | | | |
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| | Switchboard installation 50 x 50 mm | | | | | | | | | | | | | | | | | | | | | | | | |
| F96-0-TFT-ESMS-1DO-US1 (USS) | F96-0-TFT-ESMS-1DO-R1-US1 (USS) | F96-2-TFT-ESMS-2R01DO-US1 (US5) | F96-2-TFT-ESMS-2R01DO-R1-US1 (US5) | F96-2-TFT-ET-2RO1DO-US1 (US5) | F96-2-TFT-ET-2R01DO-R1-US1 (US5) | F96-2-TFT-ESET-2R01DO-GW-US1 (US5) | F96-2-TFT-ESET-2R01DO-R1-GW-US1 (US5) | F96-2-TFT-MS-2R01D0-US1 (US5) | F96-2-TFT-MS-2R01DO-R1-US1 (US5) | F96-2-TFT-MT-2R01DO-US1 (USS) | F96-2-TFT-MT-2R01DO-R1-US1 (US5) | F144-0-LED-EP-2R01DO-US1 (USS) | F144-2-LED-ESMS-2RO1DO-US1 (USS) | F144-2-LED-ESMS-2R01D03AO-US1 (US5) | F144-2-LED-ESMSDP-2RO1DO-US1 (USS) | F144-2-LED-ESMSDP-2RO1DO3AO-US1 (US5) | F144-2-LED-ESMSET-2RO1DO-US1 (US5) | F144-2-LED-ESMSET-2R01D03A0-US1 (US5) | F144-2-LED-ESMSMT-2R01DO-US1 (USS) | F144-2-LED-ESMSMT-2R01D03AO-US1 (US5) | F144-PQ-3-TFT-MSMT-US8 | | | | |
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multimess Device matrix



- Not available

| Switchboard installation 96 x 96 mm | | | | | | | | | | | | | | Switchboard installation 144 x 144 mm | | | | | | | | | | | | |
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| F96-0-TFT-ESMS-1DO-US1 (USS) | F96-0-TFT-ESMS-1DO-R1-US1 (US5) | F96-2-TFT-ESMS-2RO1DO-US1 (US5) | F96-2-TFT-ESMS-2RO1DO-R1-US1 (US5) | F96-2-TFT-ET-2R01DO-US1 (USS) | F96-2-TFT-ET-2RO1DO-R1-US1 (US5) | F96-2-TFT-ESET-2R01DO-GW-US1 (US5) | F96-2-TFT-ESET-2R01DO-R1-GW-US1 (USS) | F96-2-TFT-MS-2R01DO-US1 (USS) | F96-2-TFT-MS-2R01DO-R1-US1 (USS) | F96-2-TFT-MT-2RO1DO-US1 (US5) | F96-2-TFT-MT-2RO1DO-R1-US1 (USS) | F144-0-LED-EP-2R01DO-US1 (US5) | F144-2-LED-ESMS-2RO1DO-US1 (US5) | F144-2-LED-ESMS-2R01D03AO-US1 (US5) | F144-2-LED-ESMSDP-2R01DO-US1 (US5) | F144-2-LED-ESMSDP-2RO1DO3AO-US1 (US5) | F144-2-LED-ESMSET-2R01DO-US1 (US5) | F144-2-LED-ESMSET-2R01D03AO-US1 (US5) | F144-2-LED-ESMSMT-2RO1DO-US1 (US5) | F144-2-LED-ESMSMT-2R01D03AO-US1 (US5) | F144-PQ-3-TFT-MSMT-US8 | | | | | |
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