Technical Data

Power supply	
Mains voltage	230 V AC +/- 10 %
Frequency	45 to 65 Hz
Power consumption	Approx. 10 VA
Inputs	
General	S0-Interfaces (DIN 43864) for connection of potential-free contacts, common 'E-'-Potential switching time: >= 25 ms Voltage with open contact: 12 V DC +/- 10 % Short circuit current: 12 mA +/- 10 %
12 Pulse Inputs	Pulse frequency: max. 20 Hz Internal shifter shafts: 'Off' at approx. 3 mA, 'On' at approx. 7.5 mA
Outputs	
1 Voltage output	12 V DC, max. 50 mA
Interfaces (mode can be selected)	
1 FRAKO Starkstrombus	For connection to FRAKO Energy Management System, according to EN 50170 (P-Net), standardized fieldbus, RS-485 Transfer rate: 76.8 kbit/s
RS-232 Interface	Optional via RS-232 Adapter direct connection to PC Tranfer rate: 19 200 Baud
Display elements	14 LEDs
Connections	Screw terminals Conductor cross-section: max. 2.5 mm²
Mechanical construction	
Dimensions	140 x 90 x 59 mm (W x H x D), DIN module cases 8 HP
Ingress protection	Housing/Terminals IP40/20
Version	Protection class II according to VDE 0411 / DIN EN 61010-1
Housing	flame retardant UL94-V0
Installation	on standard rail 35 mm according to DIN EN 50022
Mounting position	Optional
Weight	Approx. 0.6 kg
Operating conditions	
Ambient temperature	0 °C up to +60 °C
Article-No.	20-40005

Optional Accessories

Article-No.	Type	Description
20-10310	EM-RS 232	RS-232 Adapter for direct access via PC to the data of EMA 1101 (SW-Version 1.11*), EMR 1100 (SW-Version 1.95*) and EMF 1102 (SW-Version 1.0*)
20-10309	EM-RS 232 for modem operation	RS-232 Adapter for direct access via PC to the data of EMA 1101 (SW-Version 1.11*), EMR 1100 (SW-Version 1.95*) or EMF 1102 (SW-Version 1.0*) via modem
20-10319	Registration license EMF 1102	License allows EMVIS 3000 access to a Cost Centre and Alarm System EMF 1102, if this is logged by using a virtual data collector.
20-10313	EMF-SW	Display, analysis and configuration software for Cost Centre and Alarm System EMF 1102. Access via: PQM and RS-232 adapter. **Note:** included in scope of delivery of FRAKO-NET (for CD delivery)

* or higher

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