

VMU-D accessory module



Description

VMU-D is a VMU-C EM accessory module, that provides compatible Carlo Gavazzi devices with a reliable and cost effective way to connect to Internet by using mobile networks via dongle modem.

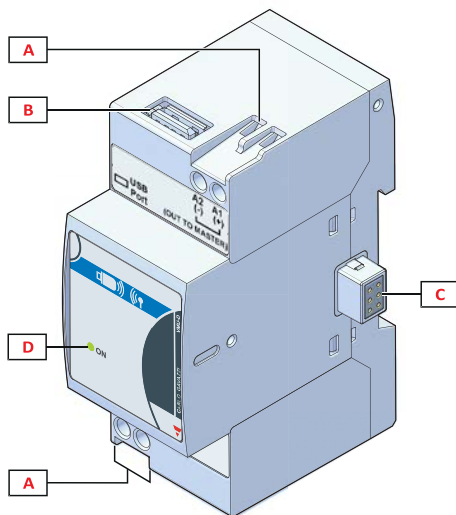
Main features

- Compatible with VMU-C and VMU-Y family of products
- Mobile Internet connection
- Compatible with USB dongle modems
- Watchdog features to prevent common mobile network hassles

Main functions

- Remote access by Internet when a wired connection is not available
- Plug'n play configuration
- Reliable operation
- SMS alerting
- SMS commands

Structure



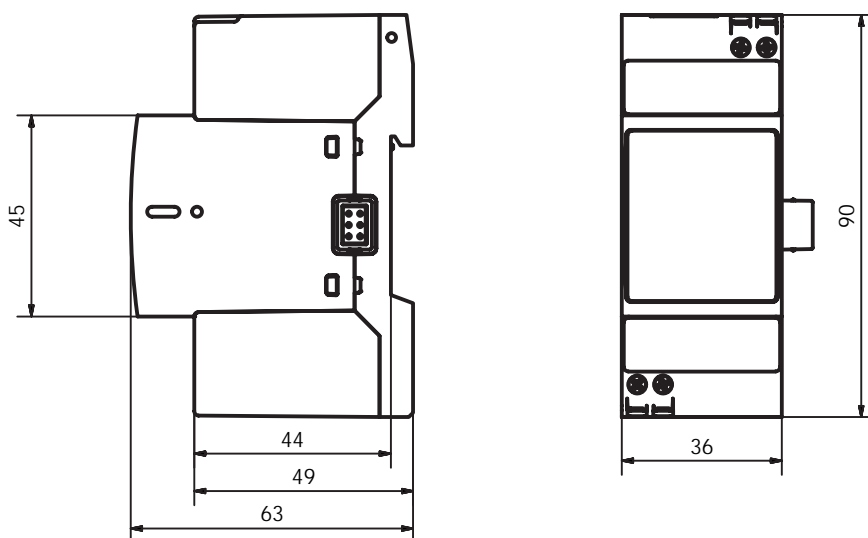
Element	Component	Function
A	Power supply	Power supply connection block (IN, bottom/OUT, top) (Min./Max. screws tightening torque: 0.4 Nm / 0.8 Nm)
B	USB connector	Connecting dongle modem
C	Local bus port	Connecting to the VMU-C/VMU-Y main module
D	Power information LED	LED (green), 2 status Steady off, power OFF Steady on, power ON

Note: USB CONNECTION is active if the Dongle is connected AND the VMU-C is connected to the VMU-D AND the power supply is connected AND no USB peripheral connected to VMU-C's USB port

Features

General

Dimensions	2-DIN
Weight	< 600 g (packaging included)
Mean time to failure	MTTF/MTBF: 26 years Test conditions: gf (ground, fixed), 50 °C Standard: MIL-HDBK-217F



Power Supply

Power Supply	12–28 VDC
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Ports

Auxiliary bus

Local bus connection	Master Proprietary VMU-C connector
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USB

Type	USB 2.0 Standard-A receptacle
Terms of use	Mechanically compatible with standard USB dongle modem in the market

Connection Diagrams

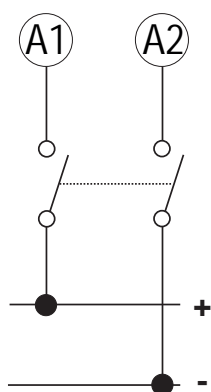


Fig. 21 Power supply



References

Further reading

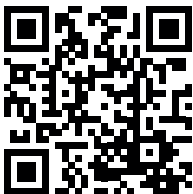
Information	Document	Where to find it

Order code

VMU-DAVDCX

CARLO GAVAZZI compatible components

Purpose	Component name/code	Notes
Embedded Web Server	VMU-C EM	
Embedded data aggregator	VMU-Y EM	
Embedded Web Server	VMU-C PV	
Embedded data aggregator	VMU-Y PV	
3G Modem	HUAWEI MS2131 DLINK DWM 157	Third party



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