









# movpn

## Linea EasyPlug

	<b>mvpn-00-C-0</b>	<b>mvpn-01-C-0</b>	<b>mvpn-03-C-0</b>	<b>mvpn-04-C-0</b>
				
<b>Power Supply</b>	18...35V DC	18...35V DC	18...35V DC	18...35V DC
<b>Consumption</b>	3.5W @24V DC	5W @24V DC	4W @24V DC	6W @24V DC
<b>WAN interface</b>	1 RJ45 10/100 Mbit/s Auto MDI/MDI-X DHCP Client or Static IP	1 RJ45 10/100 Mbit/s Auto MDI/MDI-X DHCP Client or Static	1 RJ45 10/100 Mbit/s Auto MDI/MDI-X DHCP Client or Static	1 RJ45 10/100 Mbit/s Auto MDI/MDI-X DHCP Client or Static
<b>LAN interface</b>	1 RJ45 10/100 Mbit/s Auto MDI/MDI-X Static IP	1 RJ45 10/100 Mbit/s Auto MDI/MDI-X Static IP	1 RJ45 10/100 Mbit/s Auto MDI/MDI-X Static IP	1 RJ45 10/100 Mbit/s Auto MDI/MDI-X Static IP
<b>Modem interface</b>		LTE Cat 1 LTE-FDD B1/2/3/4/5/7/8/12/13/17/18 B19/20/25/26/28/66 LTE-TDD B34/38/39/40/41 GSM B2/3/5/8 Certifications: CE, FCC, Anatel, SRRC, NAL/CCC/NCC, RCM Max. Data Rates: LTE-FDD 10 Mbps (DL) / 5 Mbps (UL)		LTE Cat 1 LTE-FDD B1/2/3/4/5/7/8/12/13/17/18 B19/20/25/26/28/66 LTE-TDD B34/38/39/40/41 GSM B2/3/5/8 Certifications: CE, FCC, Anatel, SRRC, NAL/CCC/NCC, RCM Max. Data Rates: LTE-FDD 10 Mbps (DL) / 5 Mbps (UL)
<b>Firewall Rules</b>	NAT Port Forwarding	NAT Port Forwarding	NAT Port Forwarding	NAT Port Forwarding

	<b>mvpn-00-C-0</b>	<b>mvpn-01-C-0</b>	<b>mvpn-03-C-0</b>	<b>mvpn-04-C-0</b>
<b>VPN</b>	OpenVPN	OpenVPN	OpenVPN	OpenVPN
<b>Data Connections</b>	53 TCP/UDP port for DNS resolution 123 UDP port for NTP synchronization 443 TCP for cloud firmware updates 1194 TCP/UDP port for OpenVPN 8883 TCP for cloud service channel	53 TCP/UDP port for DNS resolution 123 UDP port for NTP synchronization 443 TCP for cloud firmware updates 1194 TCP/UDP port for OpenVPN 8883 TCP for cloud service channel	53 TCP/UDP port for DNS resolution 123 UDP port for NTP synchronization 443 TCP for cloud firmware updates 1194 TCP/UDP port for OpenVPN 8883 TCP for cloud service channel	53 TCP/UDP port for DNS resolution 123 UDP port for NTP synchronization 443 TCP for cloud firmware updates 1194 TCP/UDP port for OpenVPN 8883 TCP for cloud service channel
<b>Fieldbus and Protocols options</b>	Modbus TCP Siemens S7 OPC UA	Modbus TCP Siemens S7 OPC UA	CAN CANopen DeviceNet J1939 Modbus TCP/RTU Siemens S7 Profibus Profinet NMEA EtherNet/IP BACnet SNMP MQTT IEC61850 OPC UA IO-Link LoRaWAN	CAN CANopen DeviceNet J1939 Modbus TCP/RTU Siemens S7 Profibus Profinet NMEA EtherNet/IP BACnet SNMP MQTT IEC61850 OPC UA IO-Link LoRaWAN
<b>Configuration</b>	Remote Cloud Setup Embedded Web Interface	Remote Cloud Setup Embedded Web Interface	Remote Cloud Setup Embedded Web Interface	Remote Cloud Setup Embedded Web Interface
<b>Maximum dimensions</b>	35 x 95 x 60 mm (W x H x D)	35 x 140 x 85 mm (W x H x D) with 90 mm incl. antenna	71 x 95 x 60 mm (W x H x D)	71 x 140 x 85 mm (W x H x D) with 35 mm incl. antenna
<b>Operating temperature</b>	-40°C / +85°C	-35°C / +75°C	-40°C / +85°C	-35°C / +75°C
<b>IP Protection degree</b>	IP22	IP22	IP22	IP22
<b>Weight</b>	95 g	135 g (with 90 mm antenna)	130 g	170 g (with 90 mm antenna)
<b>Mounting</b>	DIN Rail 35 mm	DIN Rail 35 mm	DIN Rail 35 mm	DIN Rail 35 mm
<b>Enclosure</b>	Material: PC/ABS e PPO (DIN Clip) UL94 Class: V-0 Color: Gray (RAL 7035)	Material: PC/ABS e PPO (DIN Clip) UL94 Class: V-0 Color: Gray (RAL 7035)	Material: PC/ABS e PPO (DIN Clip) UL94 Class: V-0 Color: Gray (RAL 7035)	Material: PC/ABS e PPO (DIN Clip) UL94 Class: V-0 Color: Gray (RAL 7035)
<b>Regulations</b>	CE, RoHS, Reach	CE, RoHS, Reach	CE, RoHS, Reach	CE, RoHS, Reach
<b>Warranty</b>	2 years	2 years	2 years	2 years



	<b>mvpn-10-C-0</b>	<b>mvpn-11-C-0</b>	<b>mfixb-54-C-0</b>	<b>mfixb-58-C-0</b>
				
<b>Power Supply</b>	12...35V DC	12...35V DC	24V DC ±3%	24V DC ±3%
<b>Consumption</b>	300mA @24V DC	300mA @24V DC	110mA @24V DC	140mA @24V DC
<b>I/O Flexy Build extension modules</b>	8x In 24 Vdc 8x Relè 2P 4x Relè 3P 4x Relè Bistabili 3P 4x In 24 Vdc + 4 Relè 2P 4x In 24 Vdc + 2 Relè 3P 4x In 24 Vdc + 2 Relè Bistabili 3P 4x Relè 2P + 2x Relè 3P 14x Out Open Collector 4x In -10/10V 0/10V 0/30V + 2x Relè 3P 4x In -10/10V 0/10V 0/30V + 4x Relè 2P 1x In 0/20mA + 4x Relè 2P 4x Out 0/10V 0/30V + 4x Digital In 24 Vdc 2x Out 0/20mA + 4x Relè 2P 2x Out 0/20mA + 4x Digital In 24 Vdc 2x TC + 2x Relè 3P 2x PTC + 2x Relè 3P	8x In 24 Vdc 8x Relè 2P 4x Relè 3P 4x Relè Bistabili 3P 4x In 24 Vdc + 4 Relè 2P 4x In 24 Vdc + 2 Relè 3P 4x In 24 Vdc + 2 Relè Bistabili 3P 4x Relè 2P + 2x Relè 3P 14x Out Open Collector 4x In -10/10V 0/10V 0/30V + 2x Relè 3P 4x In -10/10V 0/10V 0/30V + 4x Relè 2P 1x In 0/20mA + 4x Relè 2P 4x Out 0/10V 0/30V + 4x Digital In 24 Vdc 2x Out 0/20mA + 4x Relè 2P 2x Out 0/20mA + 4x Digital In 24 Vdc 2x TC + 2x Relè 3P 2x PTC + 2x Relè 3P	<b>Input</b> <ul style="list-style-type: none"> <li>Digital: max 8 (configurable)</li> <li>High [V]: 11...30</li> <li>Low [V]: 0...5</li> <li>Short Circuit Protection: Yes</li> </ul> <b>Output</b> <ul style="list-style-type: none"> <li>Digital: max 4 (configurable)</li> <li>Short Circuit Protection: Yes</li> </ul>	<b>Input</b> <ul style="list-style-type: none"> <li>Digital: max 16 (configurable)</li> <li>High [V]: 11...30</li> <li>Low [V]: 0...5</li> <li>Short Circuit Protection: Yes</li> </ul> <b>Output</b> <ul style="list-style-type: none"> <li>Digital: max 8 (configurable)</li> <li>Short Circuit Protection: Yes</li> </ul>
<b>ETH interface</b>	1 RJ45 10/100 Mbit/s Auto MDI/MDI-X DHCP Client or Static IP	1 RJ45 10/100 Mbit/s Auto MDI/MDI-X DHCP Client or Static	2x M12 Type D Female 10/100 Mbit/s Auto MDI/MDI-X DHCP Client or Static Internal Ethernet Switch for Daisy-chain connection	2x M12 Type D Female 10/100 Mbit/s Auto MDI/MDI-X DHCP Client or Static Internal Ethernet Switch for Daisy-chain connection
<b>Modem interface</b>	-	LTE Cat 1 LTE-FDD B1/2/3/4/5/7/8/12/13/17/18 B19/20/25/26/28/66 LTE-TDD B34/38/39/40/41 GSM B2/3/5/8 Certifications: CE, FCC, Anatel, SRRC, NAL/CCC/NCC, RCM Max. Data Rates: LTE-FDD 10 Mbps (DL) / 5 Mbps (UL)	-	-

	<b>mvpn-10-C-0</b>	<b>mvpn-11-C-0</b>	<b>mfixb-54-C-0</b>	<b>mfixb-58-C-0</b>
<b>Firewall Rules</b>	NAT Port Forwarding	NAT Port Forwarding	-	-
<b>VPN</b>	Open VPN	Open VPN		
<b>Data Connections</b>	53 TCP/UDP port for DNS resolution 123 UDP port for NTP synchronization 443 TCP for cloud firmware updates 1194 TCP/UDP port for OpenVPN 8883 TCP for cloud service channel	53 TCP/UDP port for DNS resolution 123 UDP port for NTP synchronization 443 TCP for cloud firmware updates 1194 TCP/UDP port for OpenVPN 8883 TCP for cloud service channel	According to Fieldbus protocol selected option	According to Fieldbus protocol selected option
<b>Fieldbus and Protocols options</b>	CAN CANopen DeviceNet J1939 Modbus TCP/RTU Siemens S7 Profibus Profinet NMEA EtherNet/IP BACnet SNMP MQTT IEC61850 OPC UA IO-Link LoRaWAN	CAN CANopen DeviceNet J1939 Modbus TCP/RTU Siemens S7 Profibus Profinet NMEA EtherNet/IP BACnet SNMP MQTT IEC61850 OPC UA IO-Link LoRaWAN	From Controllers: Modbus TCP Profinet EtherNet/IP BACnet SNMP MQTT OPC UA  To Sensor: 4x IO-Link (B) or 4xDI, 8xDO	From Controllers: Modbus TCP Profinet EtherNet/IP BACnet SNMP MQTT OPC UA  To Sensor: 4x IO-Link (B) or 4xDI, 8xDO 4x IO-Link (A) or 8xDI, 4xDO
<b>Configuration</b>	Remote Cloud Setup Embedded Web Interface	Remote Cloud Setup Embedded Web Interface	Desktop Software Tools	Desktop Software Tools
<b>Maximum dimensions</b>	145 x 95 x 60 mm (W x H x D)	145 x 140 x 85 mm (W x H x D) with 90 mm incl. antenna	150 x 60 x 35 mm (W x H x D)	200 x 60 x 35 mm (W x H x D)
<b>Operating temperature</b>	-40°C / +85°C	-35°C / +75°C	-40°C / +70°C	-40°C / +70°C
<b>IP Protection degree</b>	IP22	IP22	IP67	IP67
<b>Weight</b>	210 g	250 g (with 90 mm antenna)	200 g	250 g
<b>Mounting</b>	DIN Rail 35 mm	DIN Rail 35 mm	structured cable io link master on machine	structured cable io link master on machine
<b>Enclosure</b>	Material: PC/ABS e PPO (DIN Clip) UL94 Class: V-0 Color: Gray (RAL 7035)	Material: PC/ABS e PPO (DIN Clip) UL94 Class: V-0 Color: Gray (RAL 7035)	Material: PBT/GF e PPO (DIN Clip) UL94 Class: V-0 Color: Gray (RAL 9005) RAL 7035	Material: PBT/GF UL94 Class: V-0 Color: Gray (RAL 9005) RAL 7035
<b>Regulations</b>	CE, RoHS, Reach	CE, RoHS, Reach	CE, RoHS, Reach	CE, RoHS, Reach
<b>Warranty</b>	2 years	2 years	2 years	2 years