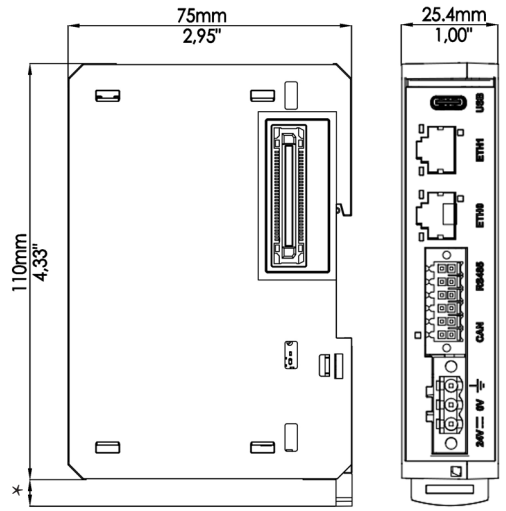
MicroEdge Plus XME-10

Installation guide
Installationsanleitung
Notice d`installation
Guía de instalación
Guida di installazione

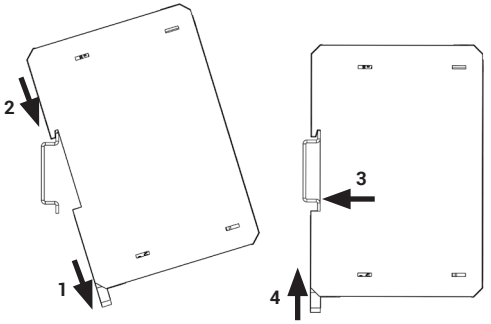
1 DIMENSION/ ABMESSUNGEN/ DIMENSION/ DIMENSIONES/ DIMENSIONI



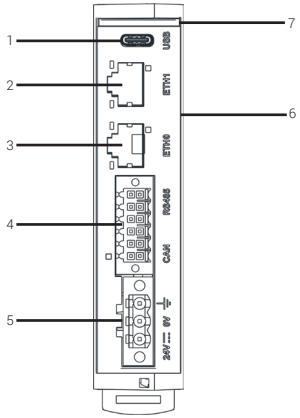
* 7mm / 0,28"

2 INSTALLATION/ INSTALLATION/ INSTALLATION/ INSTALACIÓN/ INSTALLAZIONE

The XME-10 is suitable for mounting on a DIN rail.
Die XME-10eignet sich für die Montage auf einer Hutschiene.
Le XME-10 est adapté pour le montage sur un rail DIN.
El XME-10 es adecuado para montar en un riel DIN.
Il XME-10 è adatto al montaggio su guida DIN.



3 REAR VIEW/ RÜCKANSICHT/ FACE ARRIERE/ VISTA POSTERIOR/ VISTA POSTERIORE



1	USB 2.0 OTG (500mA max., Type C) *	5	Power supply
2	Ethernet Port 1 (10/100 BaseT)	6	Expansion slot for plug-in modules
3	Ethernet Port 0 (10/100 BaseT)	7	RGB Status Led
4	RS485/CAN ports		

* for maintenance only/
* nur für die Wartung/
* pour la maintenance seulement/
* solo para mantenimiento/
* solo per manutenzione

4 FACTORY SETTINGS/ WERKSEINSTELLUNGEN/ RÉGLAGES D'USINE/ AJUSTES DE FÁBRICA/ IMPOSTAZIONI DI FABBRICA

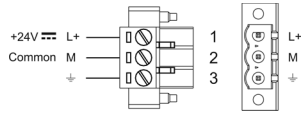
ETH0 / WAN: DHCP
ETH1 / LAN: IP Address 192.168.0.1 Subnet mask: 255.255.255.0
Settings: https://192.168.0.1/machine_config
Username: admin
Password: admin

Don't open the panel rear cover when the power supply is applied.
Das Bediengerät nicht unter Spannung öffnen.
N'ouvrez pas le couvercle arrière avec le pupitre sous tension.
No abra la parte posterior del terminal cuando esté conectado a tensión.
Non aprire l'involucro dei pannelli quando sono alimentati.

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired / Wenn das Gerät in einer vom Hersteller nicht spezifizierten Weise verwendet wird, kann der vom Gerät gebotene Schutz beeinträchtigt werden / Si l'équipement est utilisé d'une manière non spécifiée par le fabricant, la protection fournie par l'équipement peut être compromise / Si el equipo se utiliza de una manera no especificada por el fabricante, la protección proporcionada por el equipo puede verse afectada / Se l'apparecchiatura viene utilizzata in un modo non specificato dal produttore, la protezione fornita dall'apparecchiatura potrebbe essere

5 POWER SUPPLY/ SPANNUNGSVERSORGUNG/ ALIMENTATIO/ ALIMENTACION DE CORRIENTE/ ALIMENTAZIONE

Extra low voltage power supply / Limited power source.
Kleinspannung Stromversorgung / Limitierte Stromquelle.
Alimentation de voltage extra bas / tension d'alimentation limitée.
Fuente de alimentación de extra baja tensión / Tensión limitada.
Alimentatore a bassissima tensione di sicurezza / sorgente di potenza limitata.



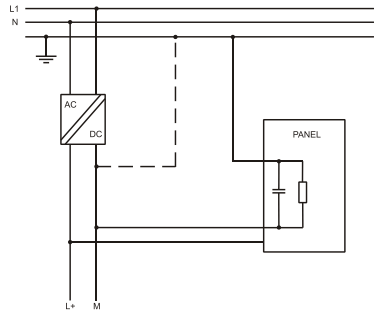
Replacement terminal block part number: 1944340000 - Weidmüller

DC Power Connector - AWG24 wire size - R/C Terminal Blocks (XCFR2), Female pitch 5.08mm, torque 4.5 lb-in (50Ncm)
DC Spannungsklemme - AWG24 Drahtstärke - R/C Terminal Block (XCFR2), weibloch Teilung 5.08mm, Drehmoment 4.5 lb-in (50Ncm)
Alimentateur DC - AWG24 taille de fil - Blockages terminales R/C (XCFR2), terrain Femme 5.08mm, couple 4.5 lb-in (50Ncm)
Conector de alimentacion - AWG24 tamaño del cable - R/C Regleta de Tornillos (XCFR2), el tono femenino 5.08mm, par de apriete 4.5 lb-in (50Ncm)
Connettore di alimentazione - dimensione cavi AWG24 - R/C morsetti (XCFR2), femmina passo 5.08mm, coppia 4.5 lb-in (50 Ncm)

Do not open the cabinet while the system is powered up.
Öffnen Sie das Gehäuse nicht, während das System eingeschaltet.
Ne pas ouvrir le boîtier lorsque le système est sous tension.
No abra la unidad mientras el sistema está encendido.
Non aprire l'armadio quando il sistema è acceso.

WARNING: Do not separate when energized.
WARNUNG: Nicht trennen, wenn aktiviert.
ATTENTION: Ne pas séparer sous tension.
ADVERTENCIA: No separar cuando energizado.
AVVERTIMENTO: Non scollegare sotto tensione.

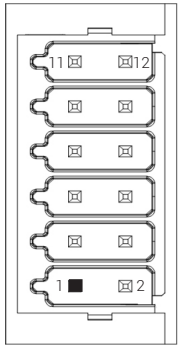
The unit must be grounded at all times via terminal 3 on the power terminal.
Das Gerät muss jederzeit geerdet sein über Klemme 3 an der Netzklemme.
L'appareil doit être mis à la terre à tout moment via la borne 3 de la borne d'alimentation.
La unidad debe estar conectada a tierra en todo momento a través del terminal 3 en la terminal de alimentación.
L'unità deve essere sempre collegata a terra tramite il terminale 3 sul morsetto di alimentazione.



Ensure that the power supply has enough power capacity for the operation of the equipment.
Stellen Sie sicher, dass die Spannungsversorgung genügend Leistungskapazität für den Betrieb des Gerätes aufweist.
Assurez vous que votre alimentation possède suffisament de puissance pour le pupitre.
Asegúrese que la fuente de alimentación tiene suficiente capacidad para operar con el equipo.
Verificare che l'alimentatore sia in grado di erogare la potenza necessaria per il corretto funzionamento dell'apparecchiatura.

6 CONNECTIONS / ANSCHLÜSSE/ RACCORDEMENTS/ CONEXIONES/ COLLEGAMENTI

SERIAL PORT

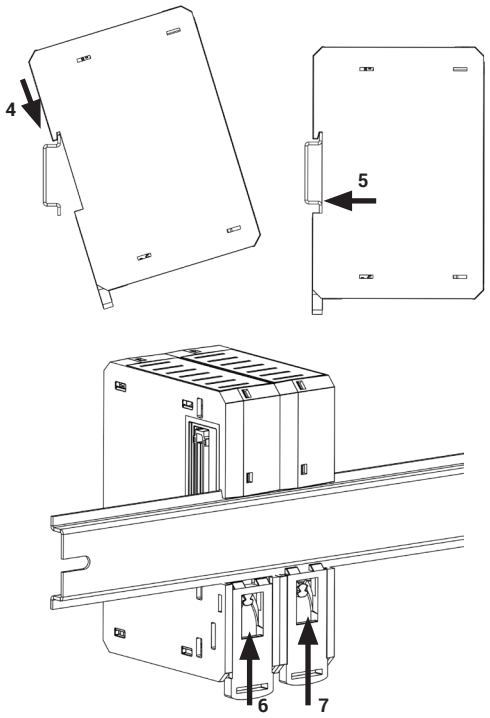


RS485 B-	RS485 +5V
RS485 A+	
RS485 GND	RS485 SHIELD
CAN GND	CAN SHIELD
CAN L	
■ CAN H	CAN R

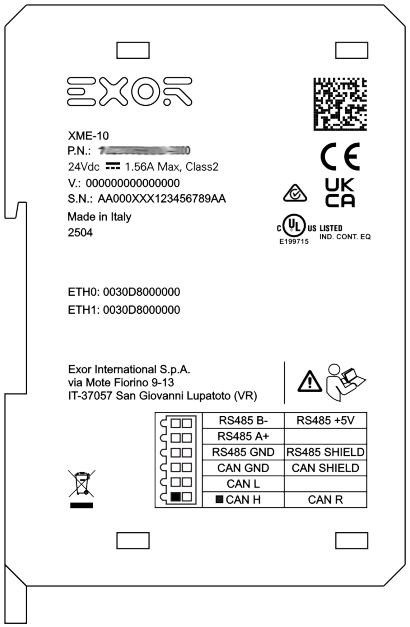
RS485 +5V is optional and can be used to add external bias resistors. The RS485 GND and CAN GND pins are isolated from each other. RS485 SHIELD and CAN SHIELD are internally connected to ground via DIN rail. To enable CAN bus termination (R120Ω), pins 1-2 must be externally connected. /
RS485 +5V ist optional und kann verwendet werden, um externe Polarisationswiderstände hinzuzufügen. Die RS485 GND- und CAN GND-Pins sind voneinander isoliert. RS485 SHIELD und CAN SHIELD sind intern über die DIN-Schiene mit der Erde verbunden. Um die CAN-Bus-Terminierung (R120Ω) zu aktivieren, müssen die Pins 1-2 extern verbunden werden. /
RS485 +5V est optionnel et peut être utilisé pour ajouter des résistances de polarisation externes. Les broches RS485 GND et CAN GND sont isolées l'une de l'autre. RS485 SHIELD et CAN SHIELD sont connectés à la terre en interne via un rail DIN. Pour activer la terminaison du bus CAN (R120Ω), les broches 1-2 doivent être connectées en externe./
RS485 +5V es opcional y se puede utilizar para añadir resistencias de polarización externas. Los pines RS485 GND y CAN GND están aislados entre sí. RS485 SHIELD y CAN SHIELD están conectados a tierra internamente a través del carril DIN. Para habilitar la terminación del bus CAN (R120Ω), los pines 1-2 deben conectarse externamente. /
RS485 +5V è opzionale e può essere utilizzato per aggiungere resistori di polarizzazione esterni. I pin RS485 GND e CAN GND sono isolati tra loro. RS485 SHIELD e CAN SHIELD sono collegati internamente a terra tramite barra din. Per abilitare la terminazione del bus CAN (R120Ω) i pin 1-2 devono essere collegati esternamente.

7 TECHNICAL DATA/ TECHNISCHE DATEN/ DONNÉES TECHNIQUES/ DATOS TÉCNICOS/ DATI TECNICI

System Resources	
CPU	64-bit RISC quad core - 1.6 GHz
Operating System	Linux Yocto
Flash	4 GB (pSLC mode - High reliability)
RAM	2 GB
FRAM	64 KB
Real Time Clock (RTC Back-up)	Yes (Supercapacitor)
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100)
USB port	1 (2.0 OTG, 500mA max., Type C)
Serial port	1 (RS-485, isolated)
CAN / CAN-FD port	1 (isolated)
Expansion port	Yes
Buzzer	Yes
Indicator Light	1 (RGB LED)
Ratings	
Power supply	24 Vdc (9 to 32 Vdc)
Current Consumption	0.28 A at 24 Vdc typ. without expansions modules, Class 2 1.56 A at 24 Vdc max. with expansion modules (full load), Class 2
Input Protection	Electronic Fuse
Environment Conditions	
Operating Temperature	-20°C to +55°C
Storage Temperature	-30°C to +70°C
Altitude	2000m
Operating / Storage Humidity	5 - 90% RH, non condensing
Pollution Degree	2
Overvoltage Category	II
Protection Class	IP20, not UL evaluated
Weight	
Weight	0.180 Kg



8 PRODUCT IDENTIFICATION/ PRODUKT IDENTIFIKATION/ IDENTIFICATION DU PRODUIT/ IDENTIFICACIÓN DE PRODUCTO/ IDENTIFICAZIONE PRODOTTO



9 OPTIONAL PLUGIN MODULE/ OPTIONALES PLUGIN-MODUL/ MODULE PLUGIN OPTIONNEL/ MÓDULO DE COMPLEMENTO OPCIONAL/ MODULO PLUGIN OPZIONALE

The panels have several optional plugin module, multiple modules configurations are possible.
Die Panels haben mehrere optionale Plugin-Module, mehrere Modulkonfigurationen sind möglich.
Les panneaux ont plusieurs modules optionnels, plusieurs configurations de modules sont possibles.
Los paneles tienen varios módulos de complemento opcionales, múltiples configuraciones de módulos son posibles.
I pannelli hanno diversi moduli plug-in opzionali, sono possibili configurazioni multiple di moduli.

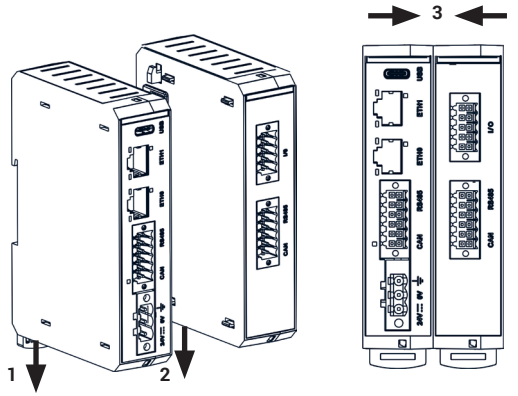
Note: It is not possible to stack two modules that are using the same type of interface./ Hinweis: Es ist nicht möglich, zwei Module zu stapeln, die den gleichen Schnittstellentyp verwenden./ Remarque: Il n'est pas possible d'empiler deux modules utilisant le même type d'interface./ Nota: No es posible apilar dos módulos que usan el mismo tipo de interfaz./ Nota: non è possibile impilare due moduli che utilizzano lo stesso tipo di interfaccia.

The table shows the compatibility between the different modules / Die Tabelle zeigt die Kompatibilität zwischen den verschiedenen Modulen / Le tableau indique la compatibilité entre les différents modules / La tabla muestra la compatibilidad entre los diferentes módulos / La tabella riporta la compatibilità tra i differenti moduli.

	RS485-CAN	LTE/4G	LTE/4G - WiFi
RS485-CAN	○	●	●
LTE/4G	●	○	○
LTE/4G - WiFi	●	○	○

10 INSTALLATION PROCEDURE/ INSTALLATIONSVERFAHREN/ PROCÉDURE D'INSTALLATION/ PROCEDIMIENTO DE INSTALACIÓN/ PROCEDURA D'INSTALLAZIONE

The CPU+PLUGIN coupling can only take place with the clamp lowered.
Die CPU+PLUGIN-Kopplung kann nur bei abgesenkter Klemme erfolgen.
Le couplage CPU+PLUGIN ne peut s'effectuer qu'avec la pince abaissée.
El acoplamiento CPU+PLUGIN sólo se puede realizar con la abrazadera bajada.
L'accoppiamento CPU+PLUGIN può avvenire solo con il morsetto abbassato.



The products have been designed in compliance with:
Die Produkte wurden konform den geltenden Normen und Standards erstellt:
Les produits ont ete designes en conformite' aux normes:
El producto ha sido diseñado en conformidad con:
I prodotti sono stati progettati in conformità alle norme:

EN 61000-6-3

EN 61000-6-2

FCC Part 15 Subpart B Class A

ICES-003 issue7 Class A

This device cannot be disposed of as a domestic waste but according to WEEE European Directive 2012/19/EU
Dieses Gerät darf nicht als Hausmüll entsorgt werden, sondern gemäß der WEEE-Richtlinie 2012/19/EU
Cet appareil ne peut pas être éliminé en tant que déchet domestique, mais conformément à la directive européenne DEEE 2012/19/UE
Este dispositivo no se puede tirar como un desecho doméstico, pero de acuerdo con la Directiva Europea RAEE 2012/19/UE
Questo dispositivo non può essere smaltito come rifiuto domestico in accordo alla Direttiva Europea RAEE 2012/19/UE

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