

WIRING DIAGRAMS

High **PROTEC** | PROTECTION TECHNOLOGY
MADE SIMPLE

MRM4 | Motor Protection

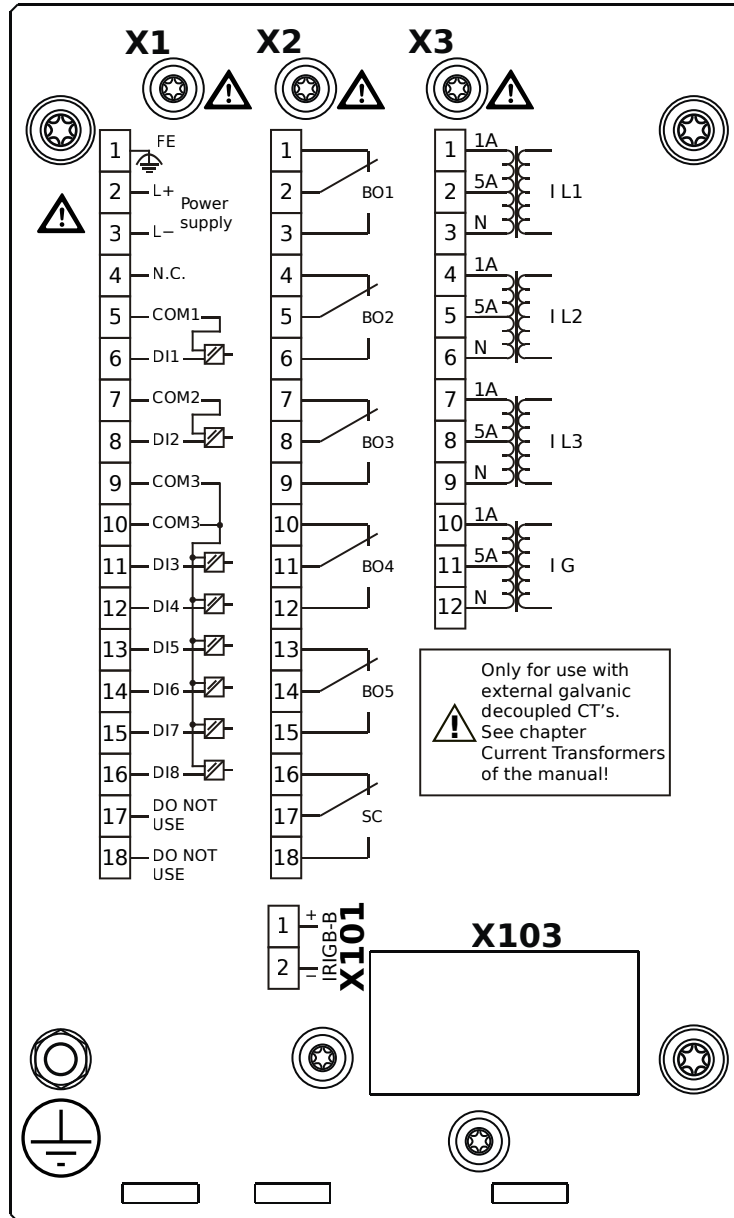
Version: 3.7

Original document

English

This document does not replace the Technical Manual.

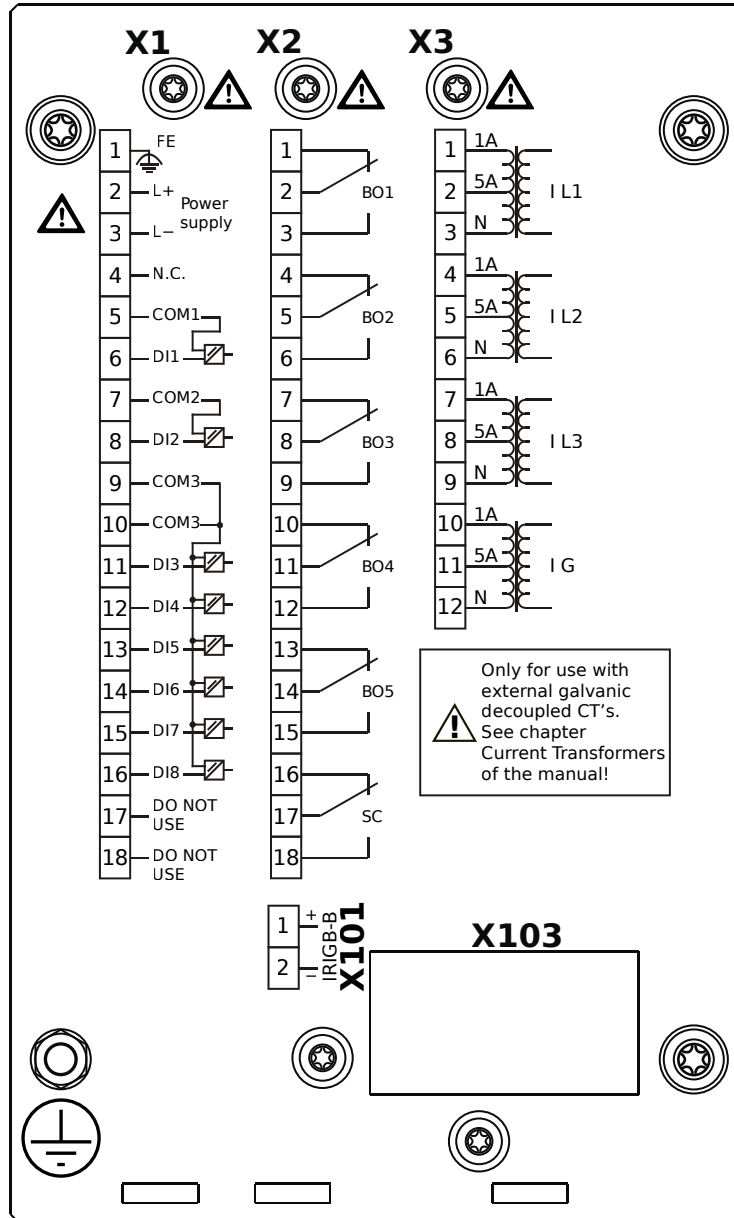
MRM4-2A0AAA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TI: Standard current measuring card
- X101** – IRIG-B00X

MRM4-2A0AAB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

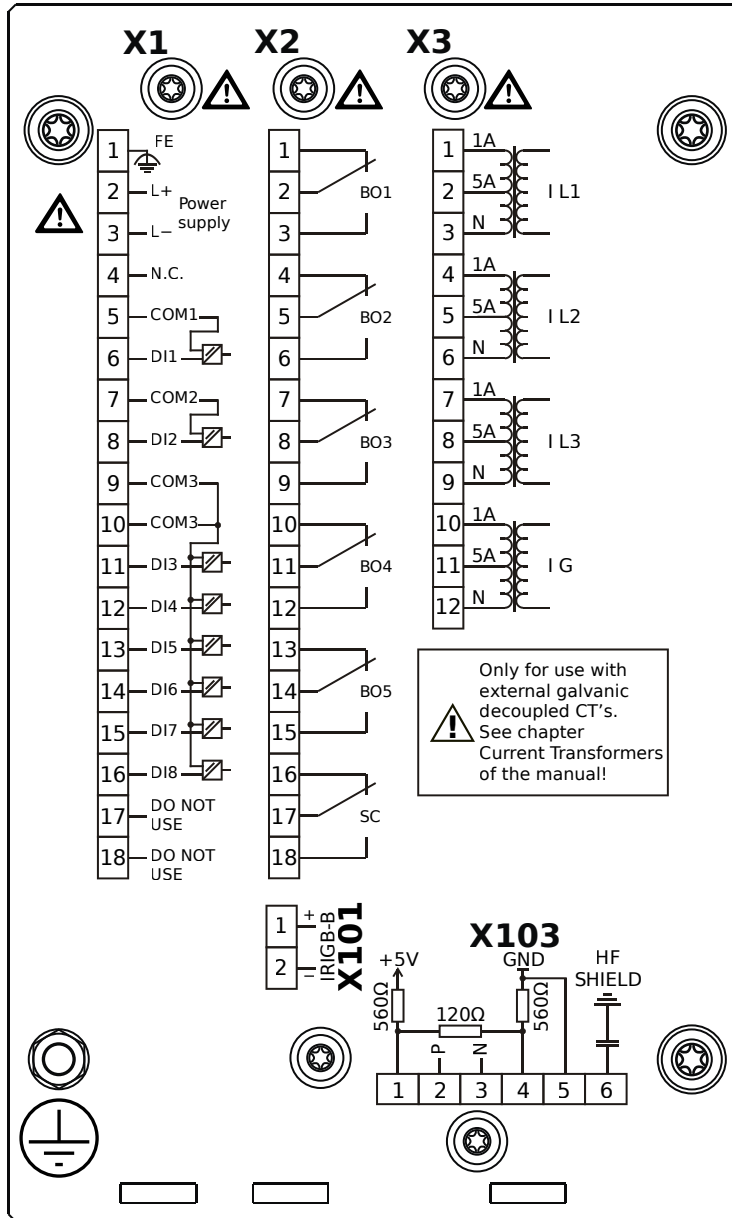
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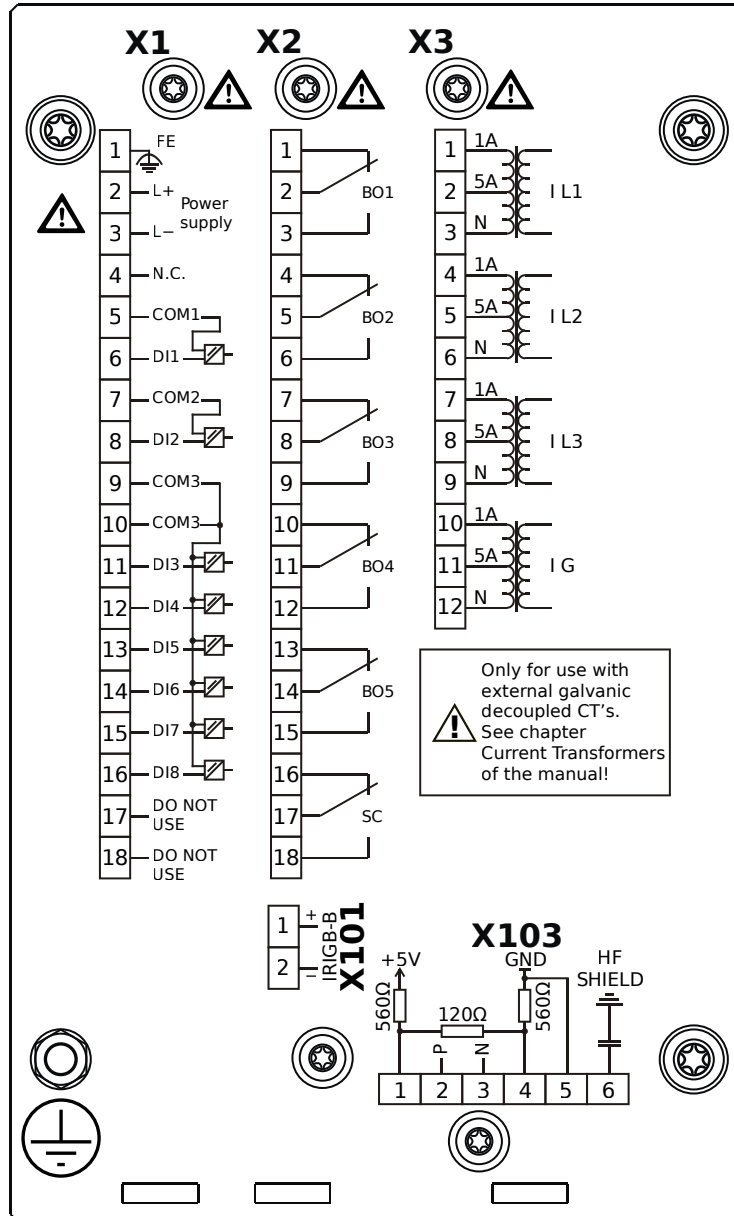
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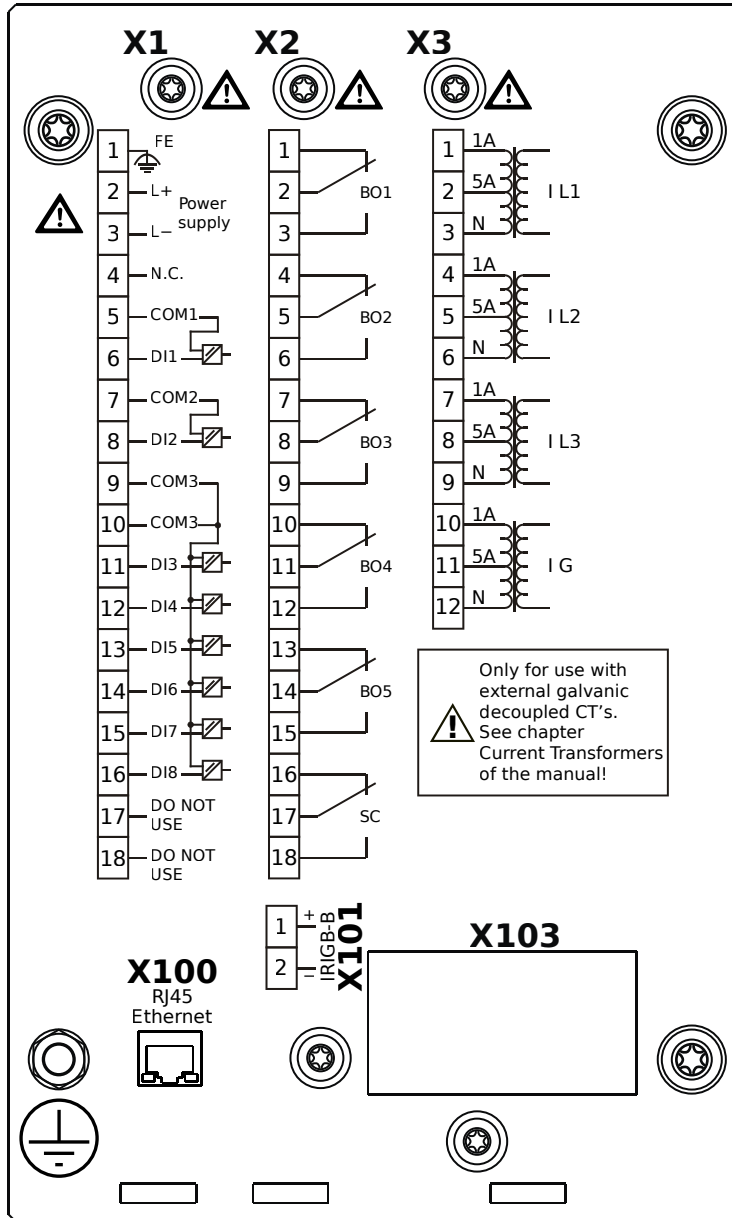
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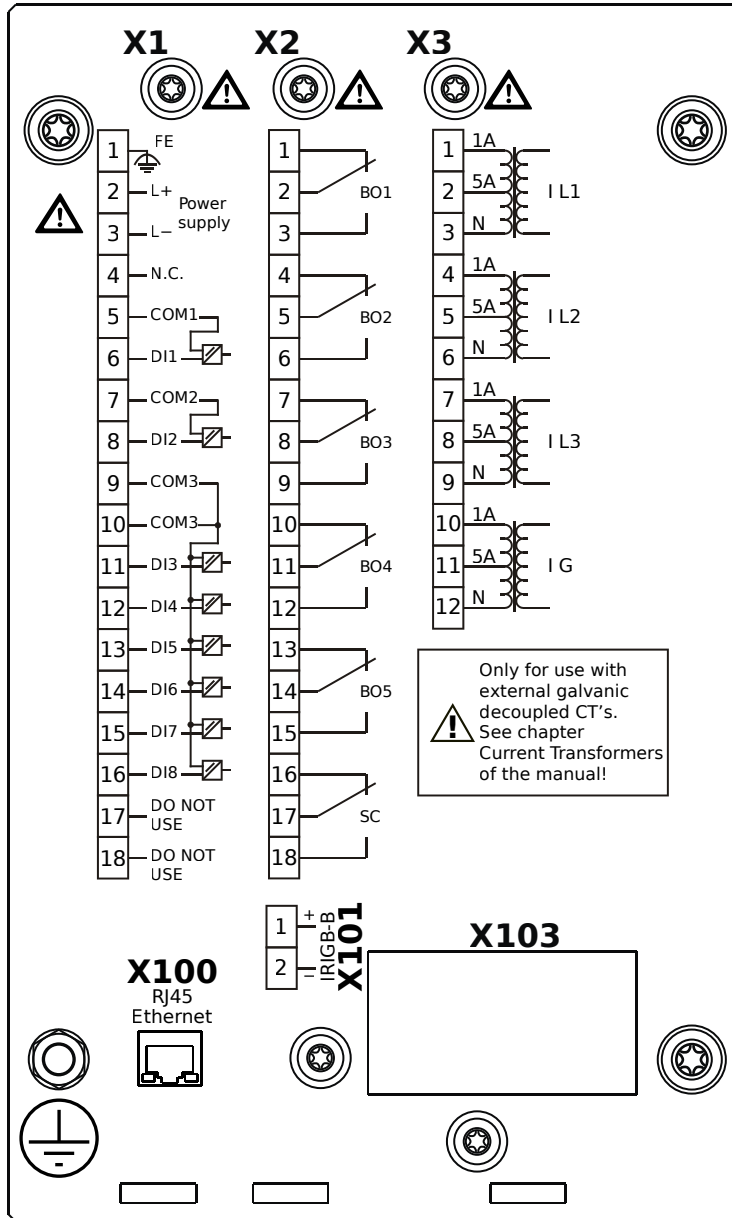
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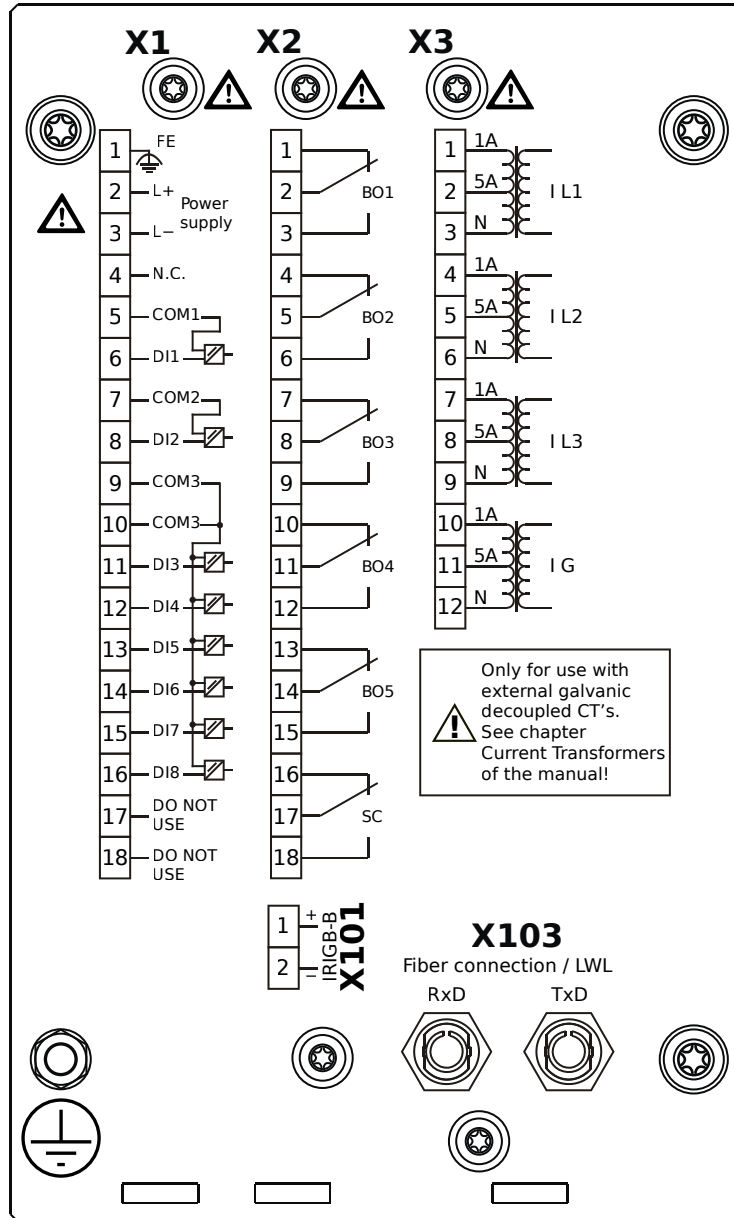
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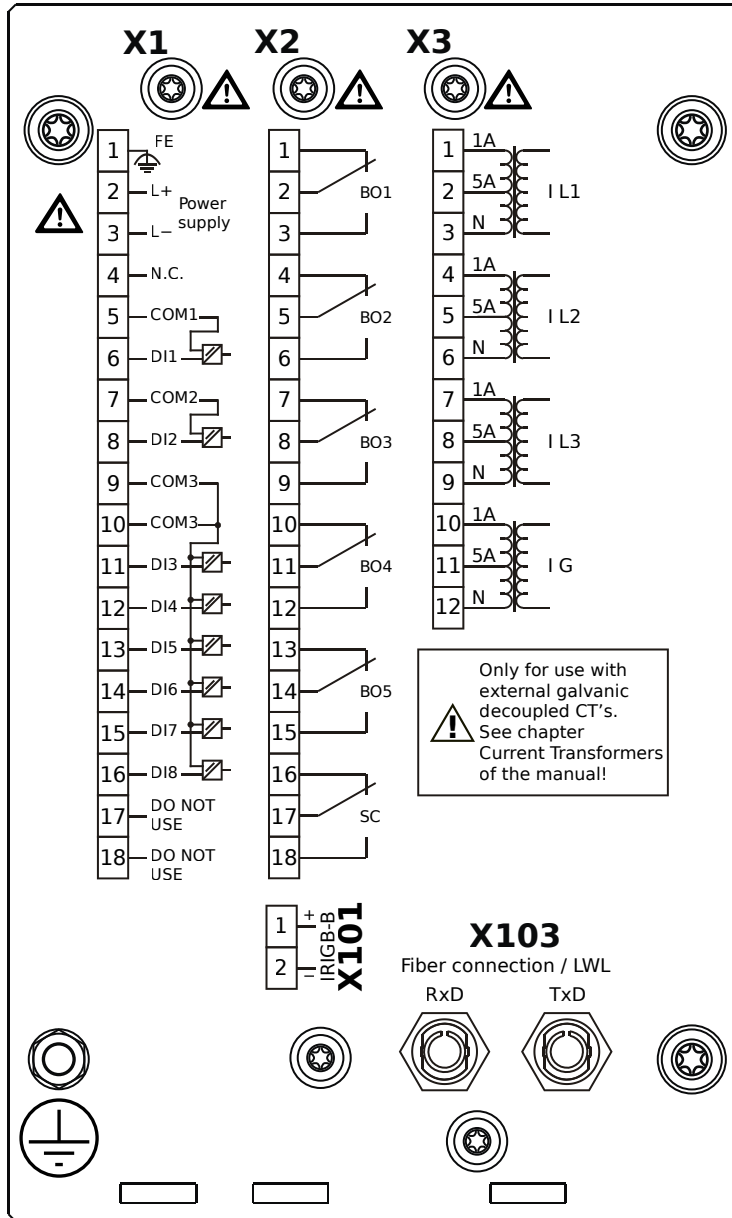
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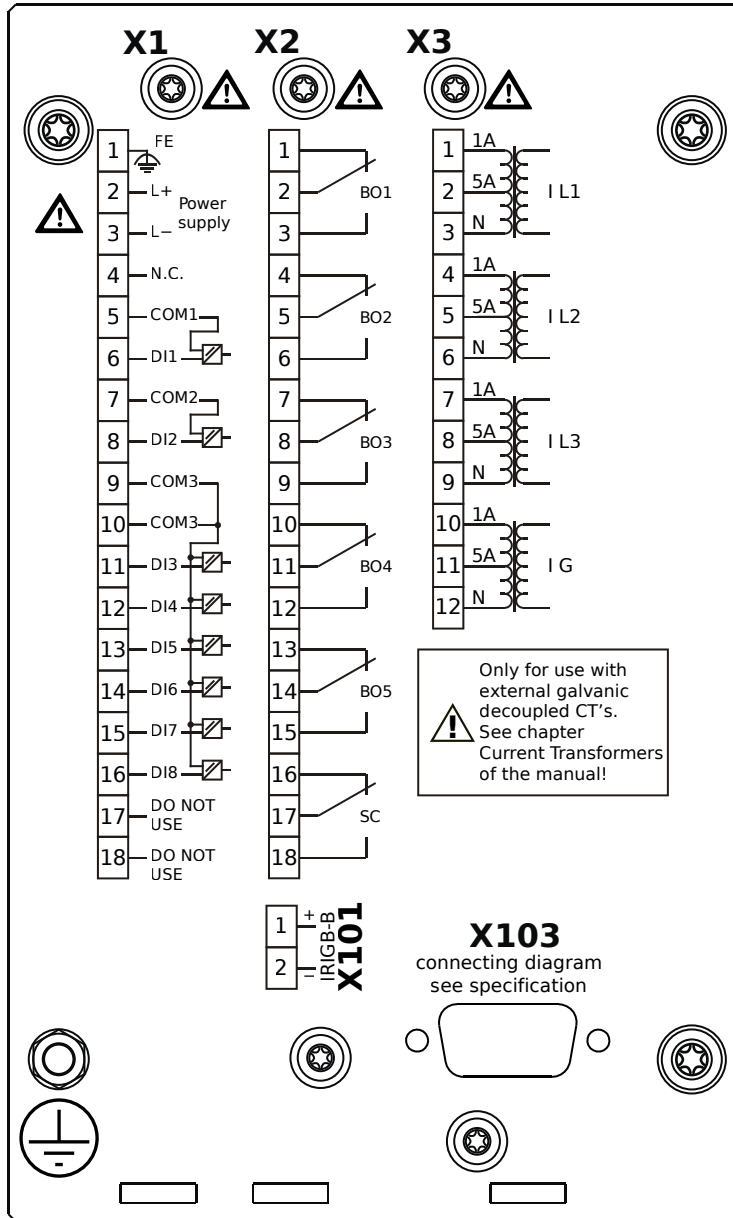
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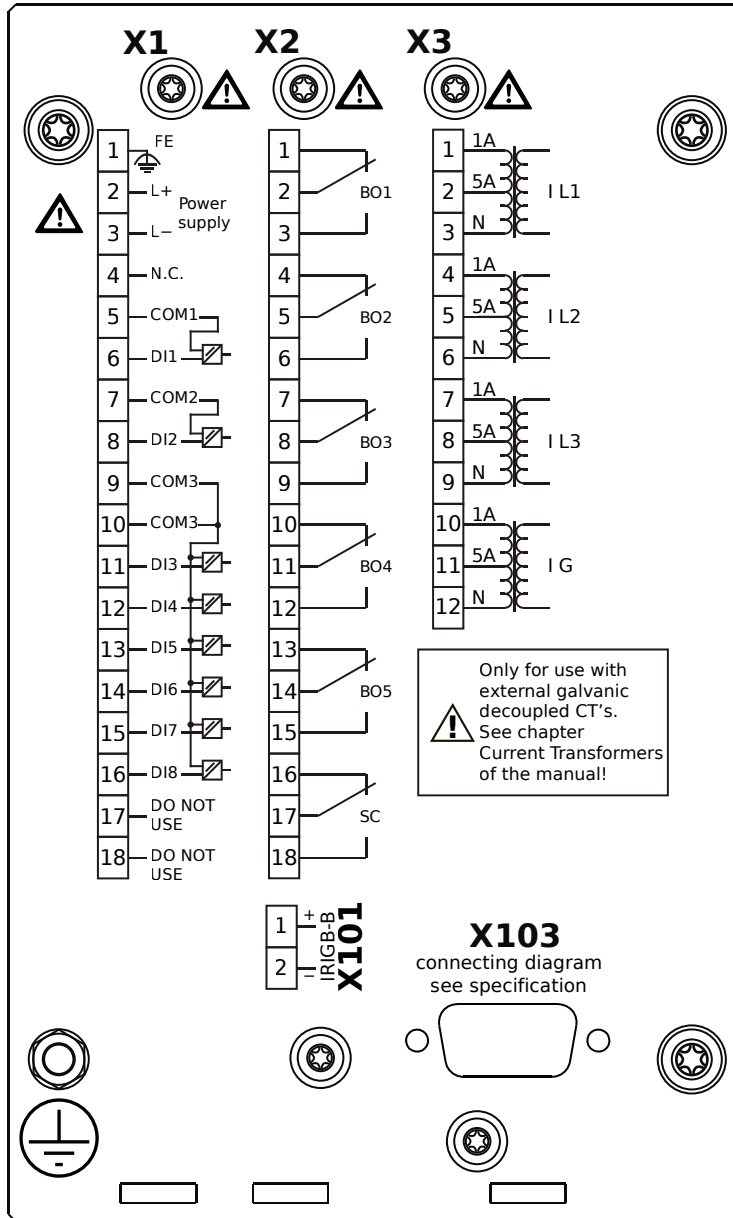
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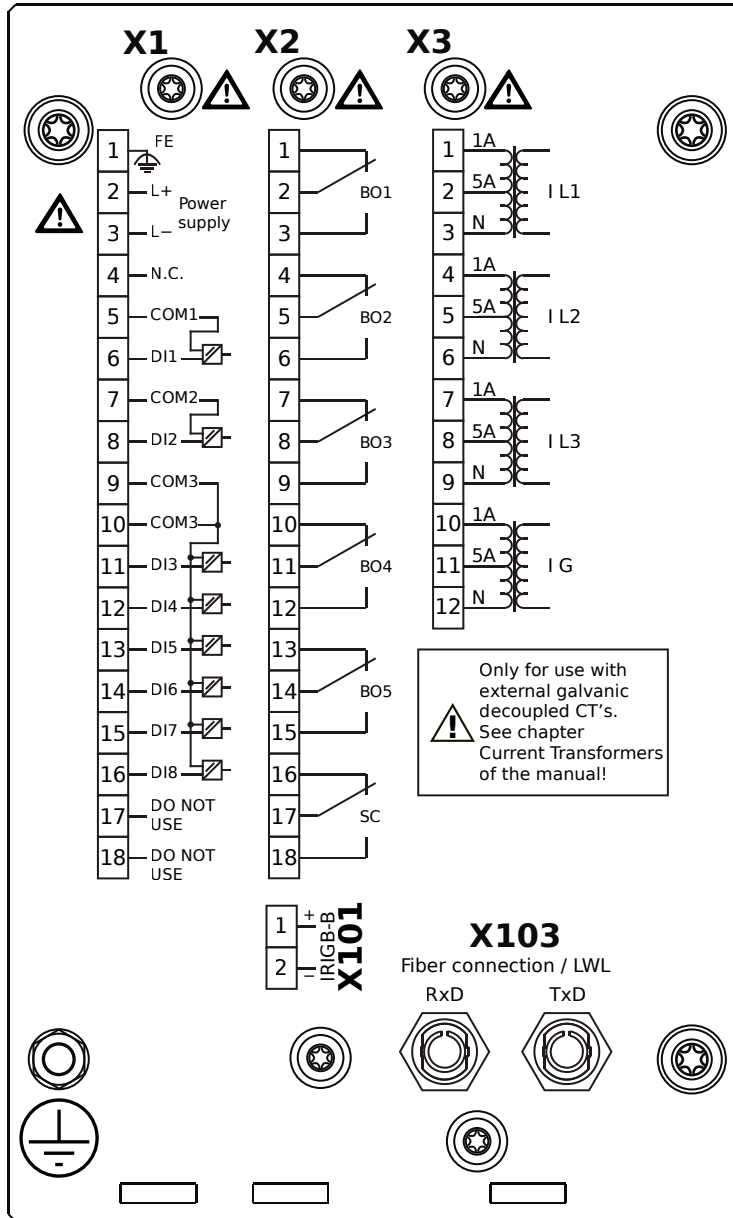
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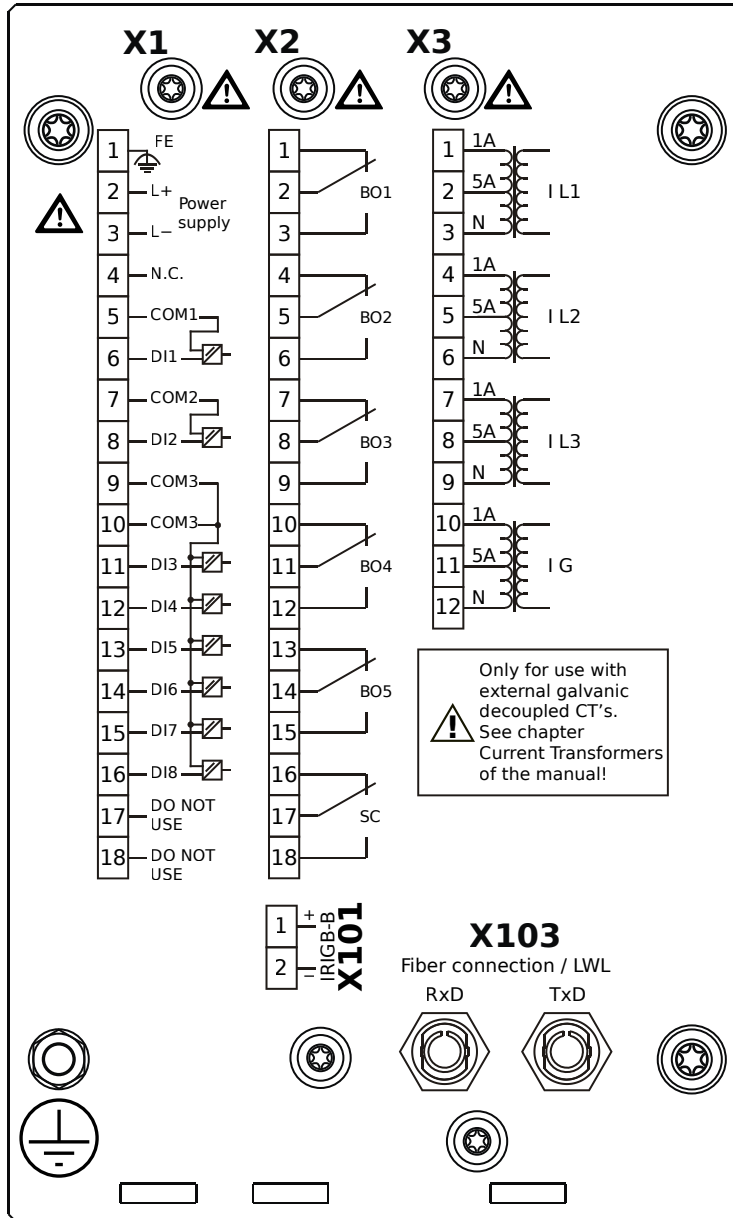
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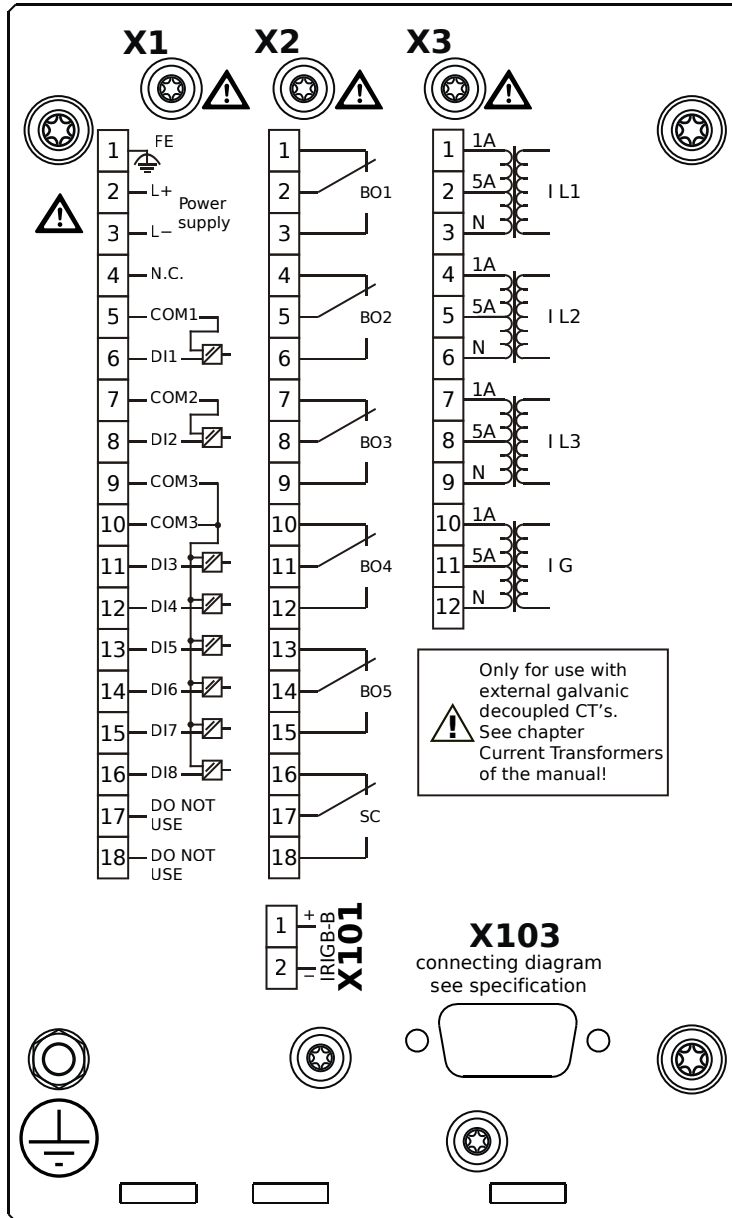
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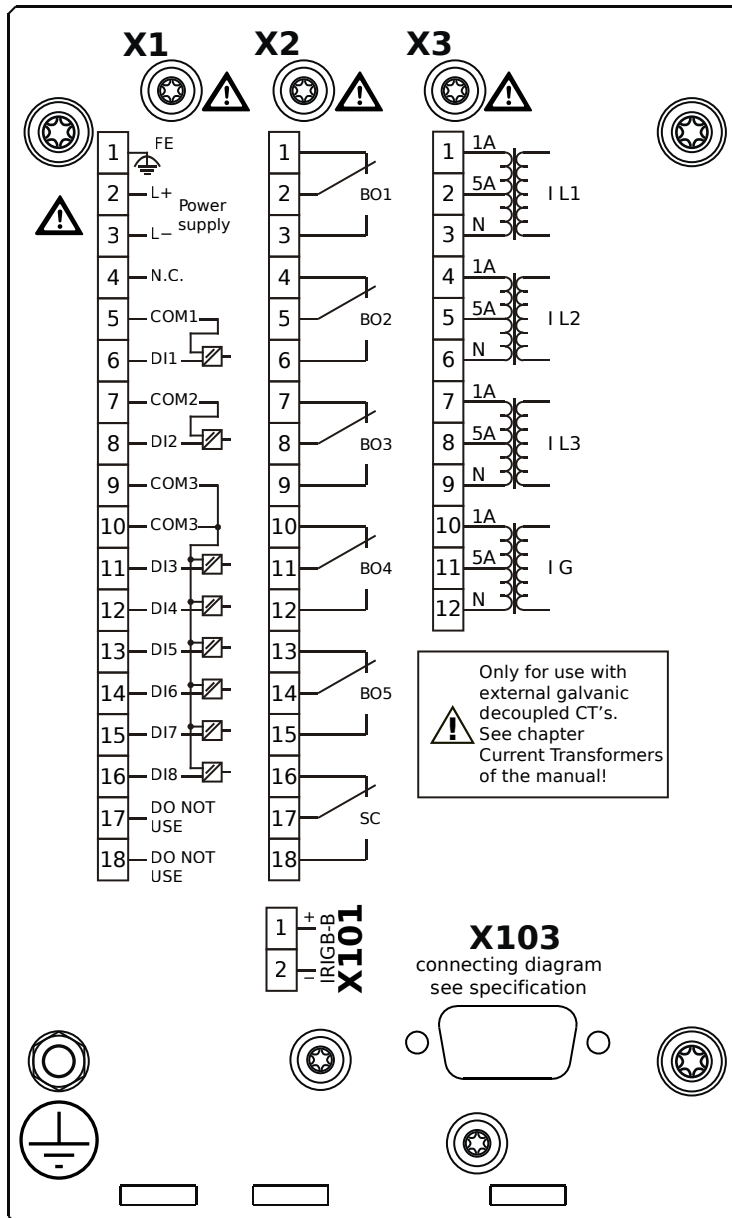
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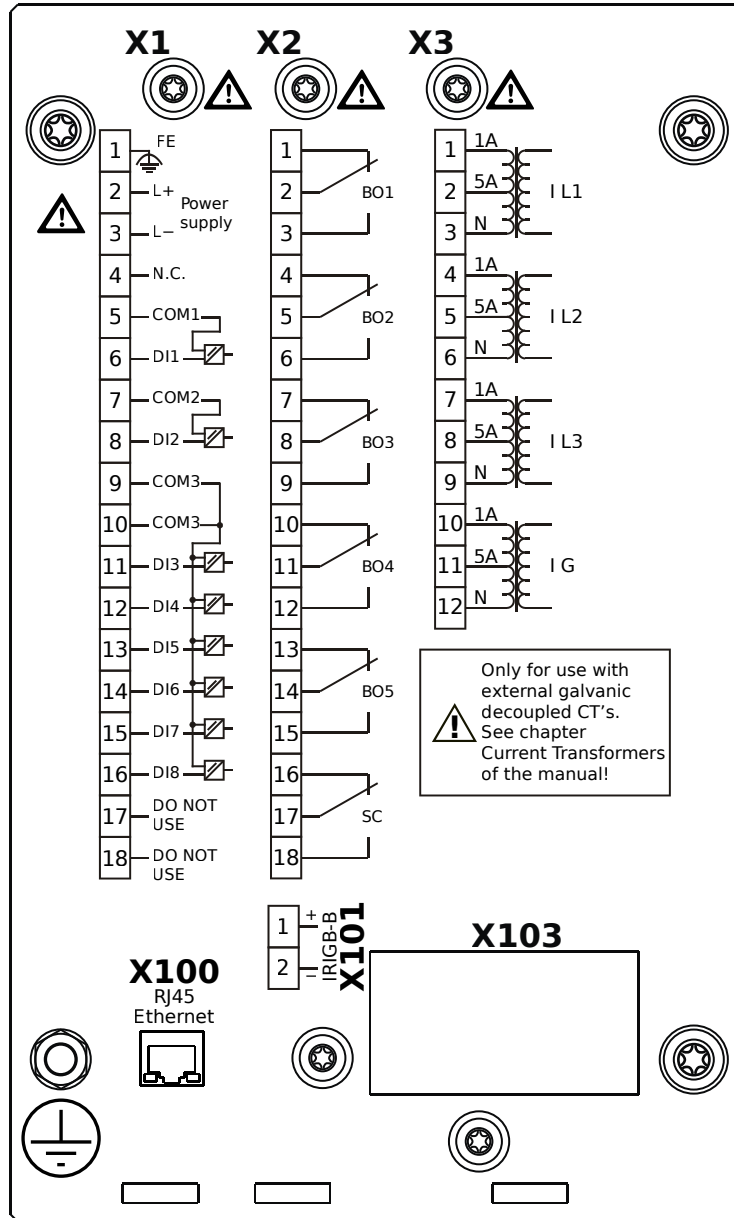
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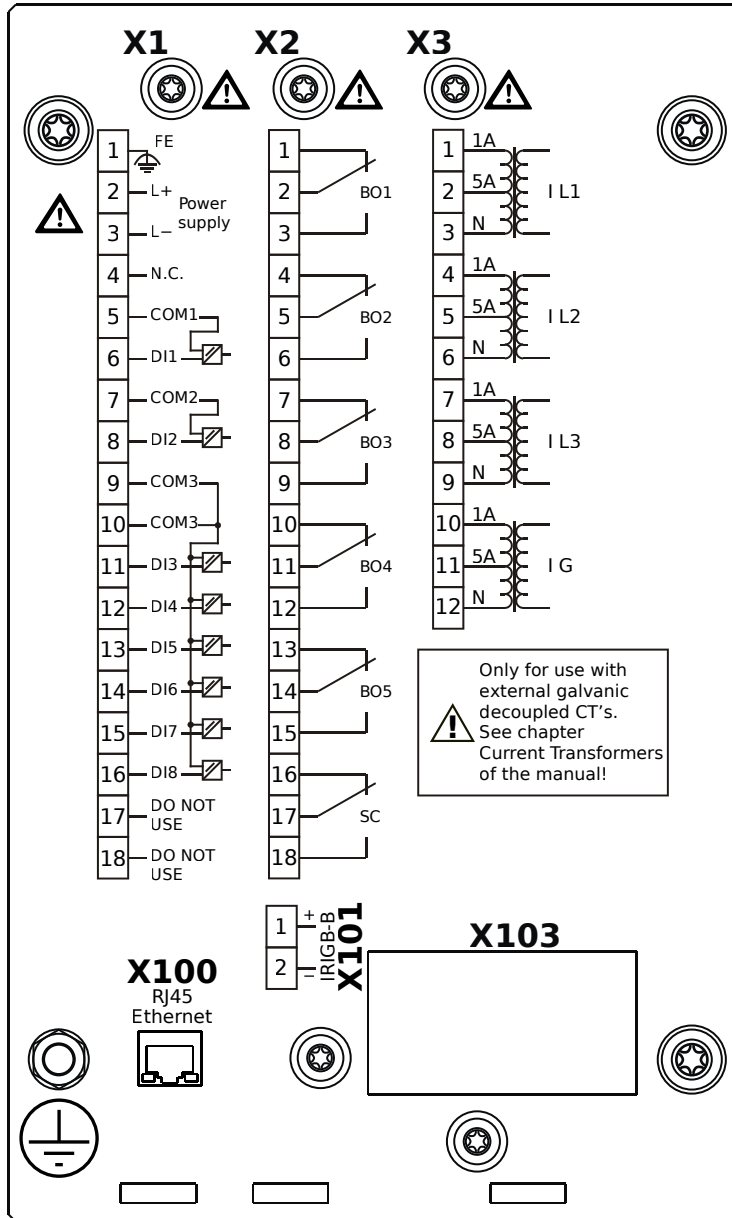
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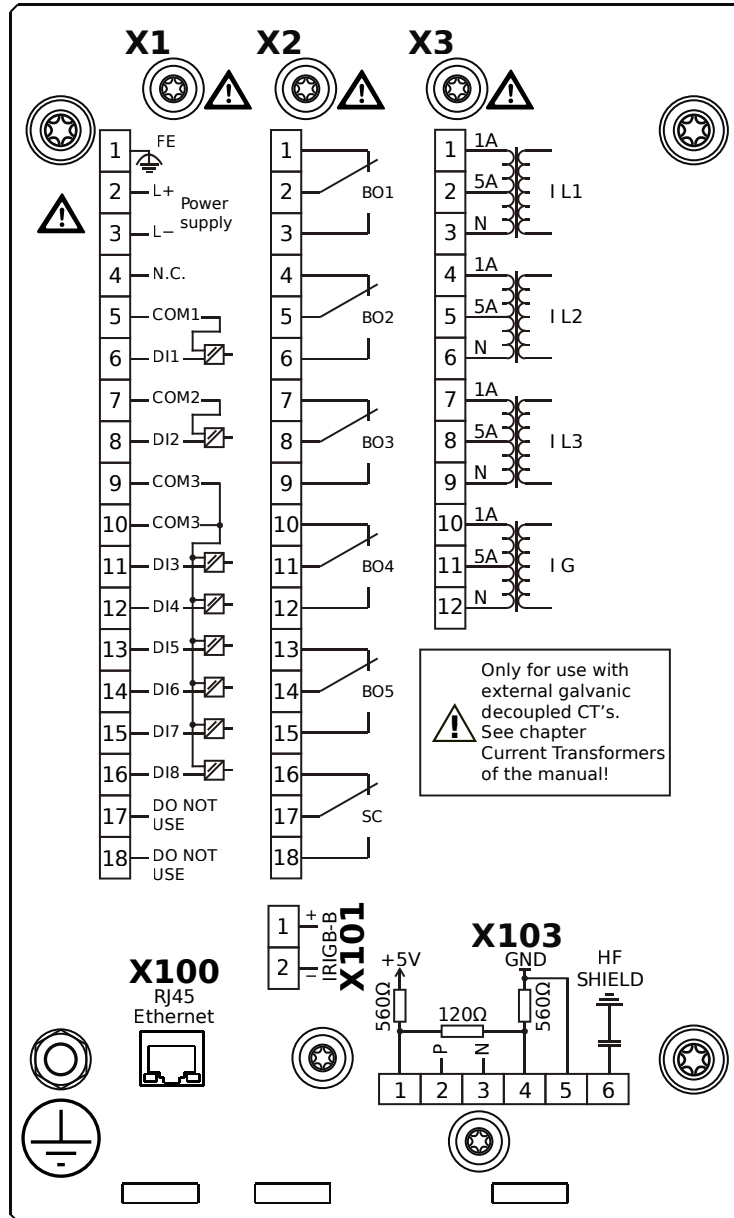
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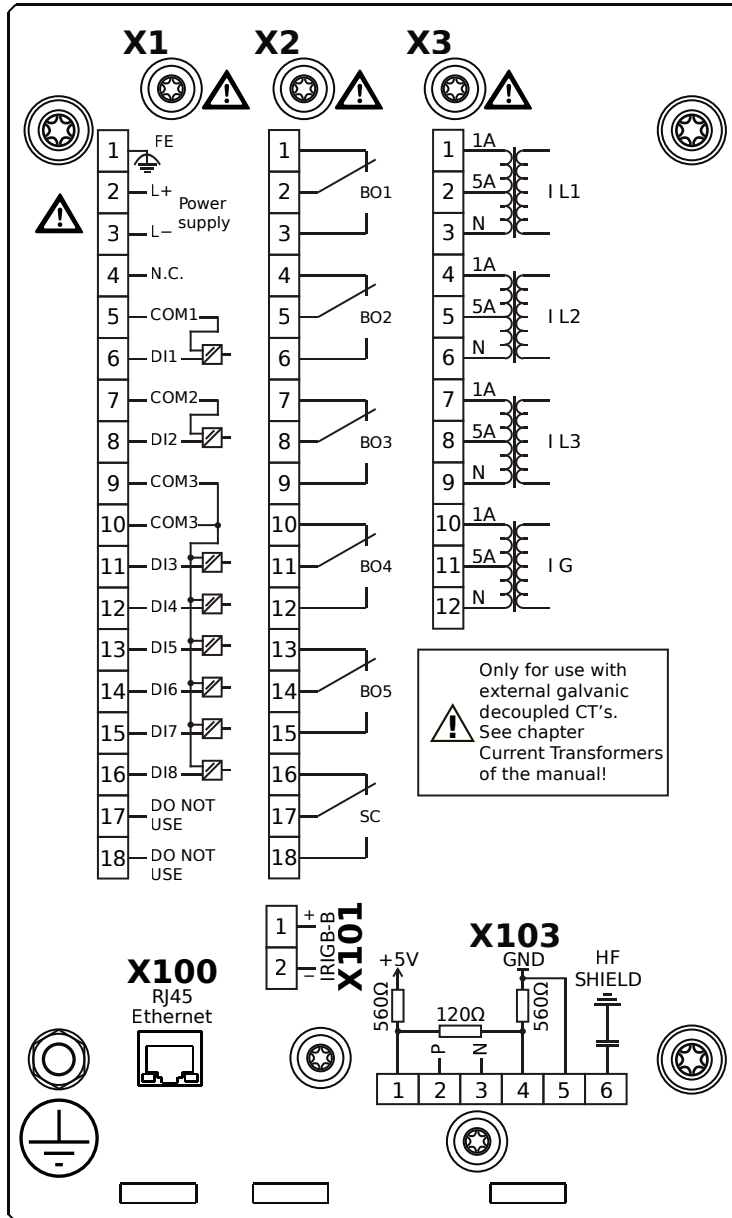
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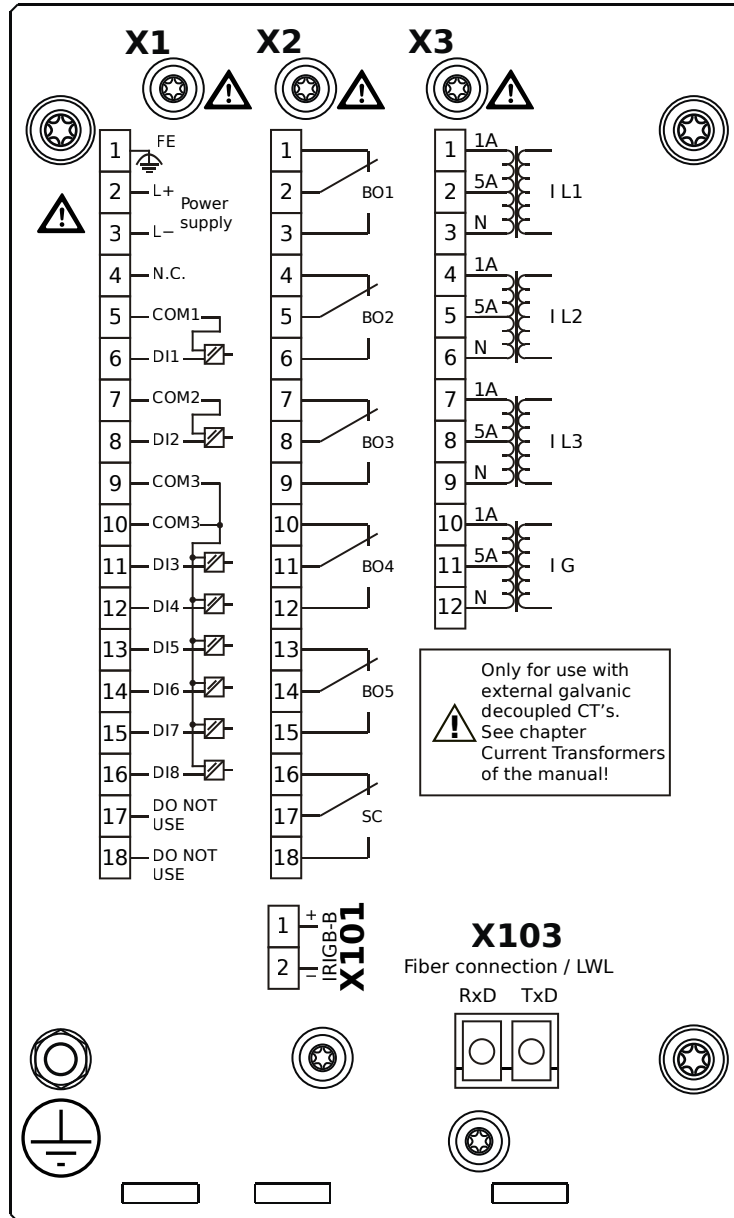
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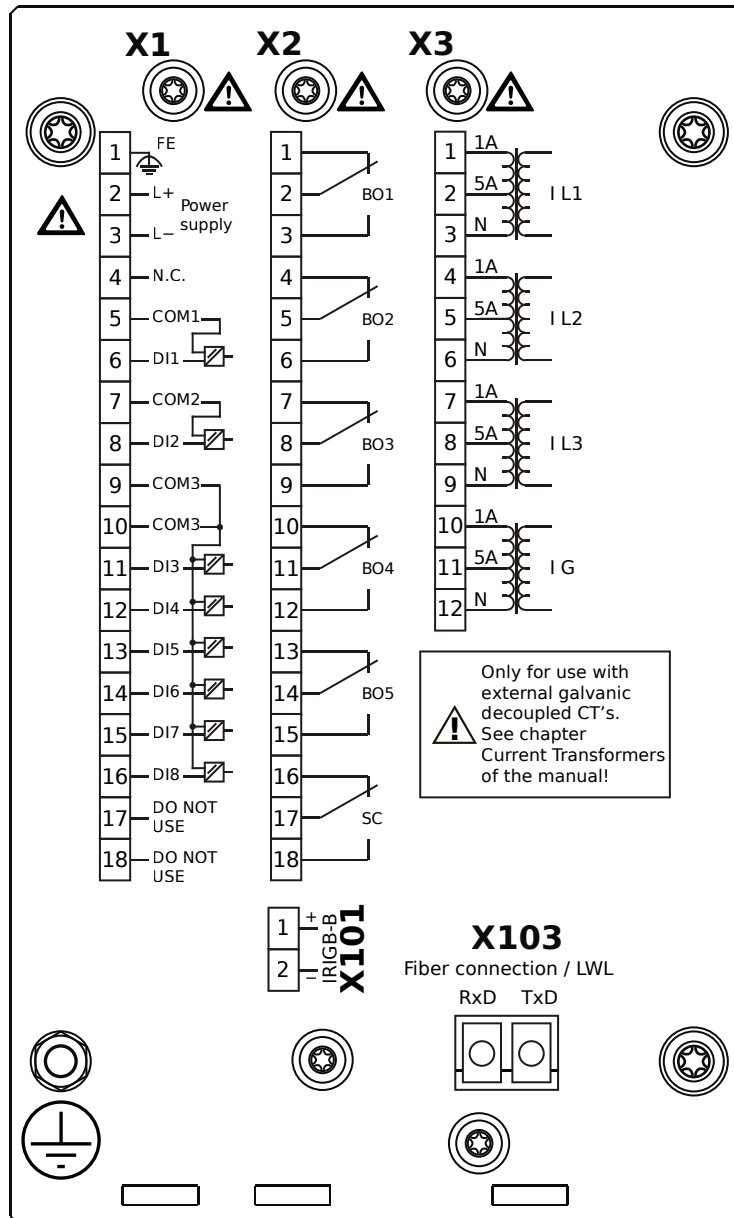
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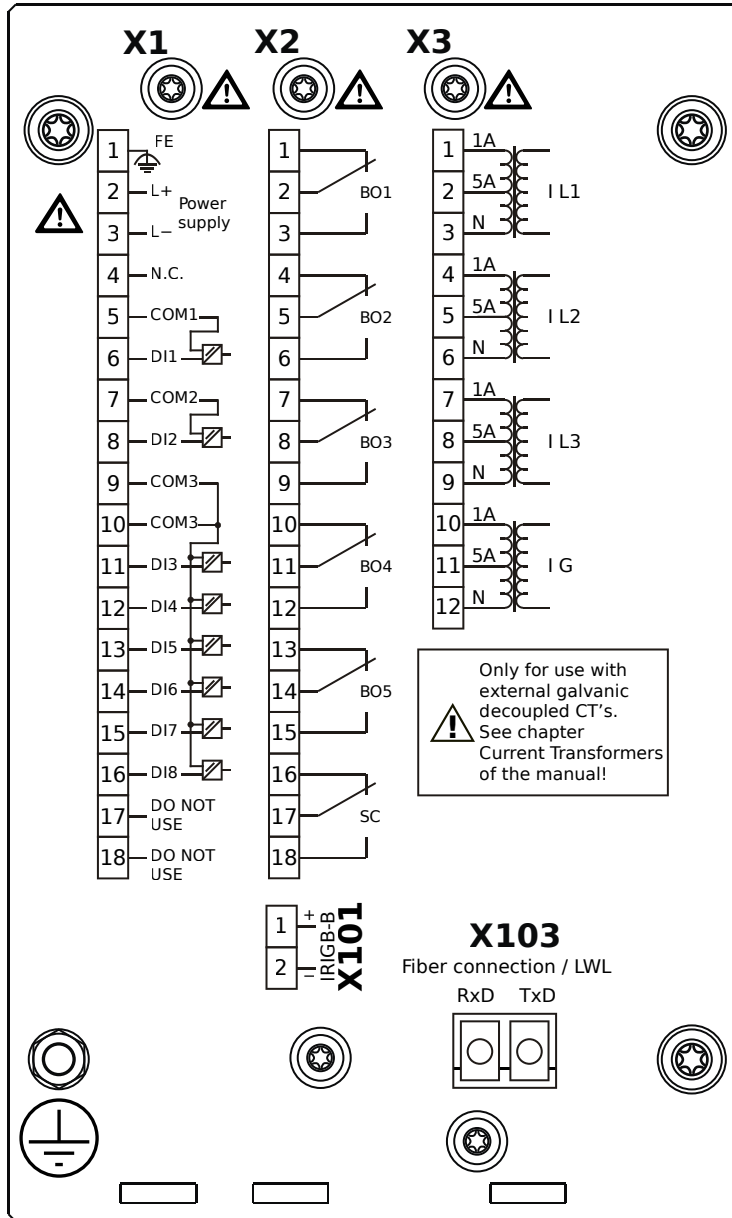
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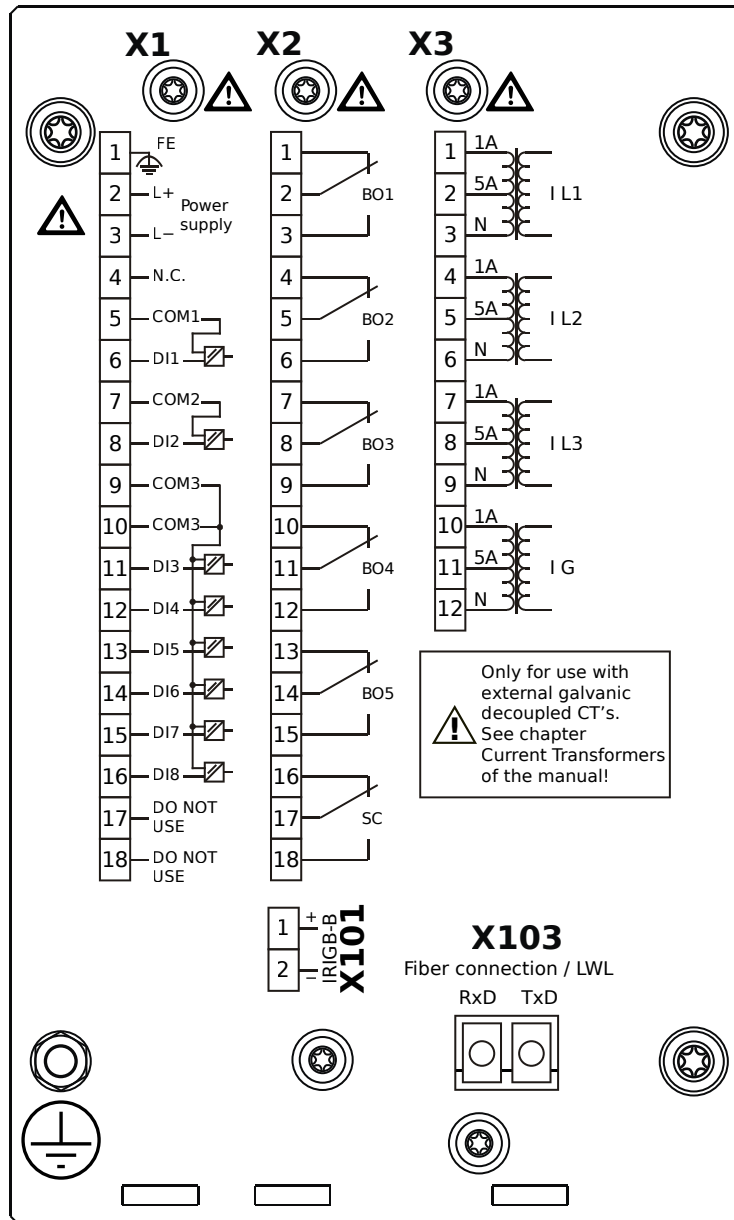
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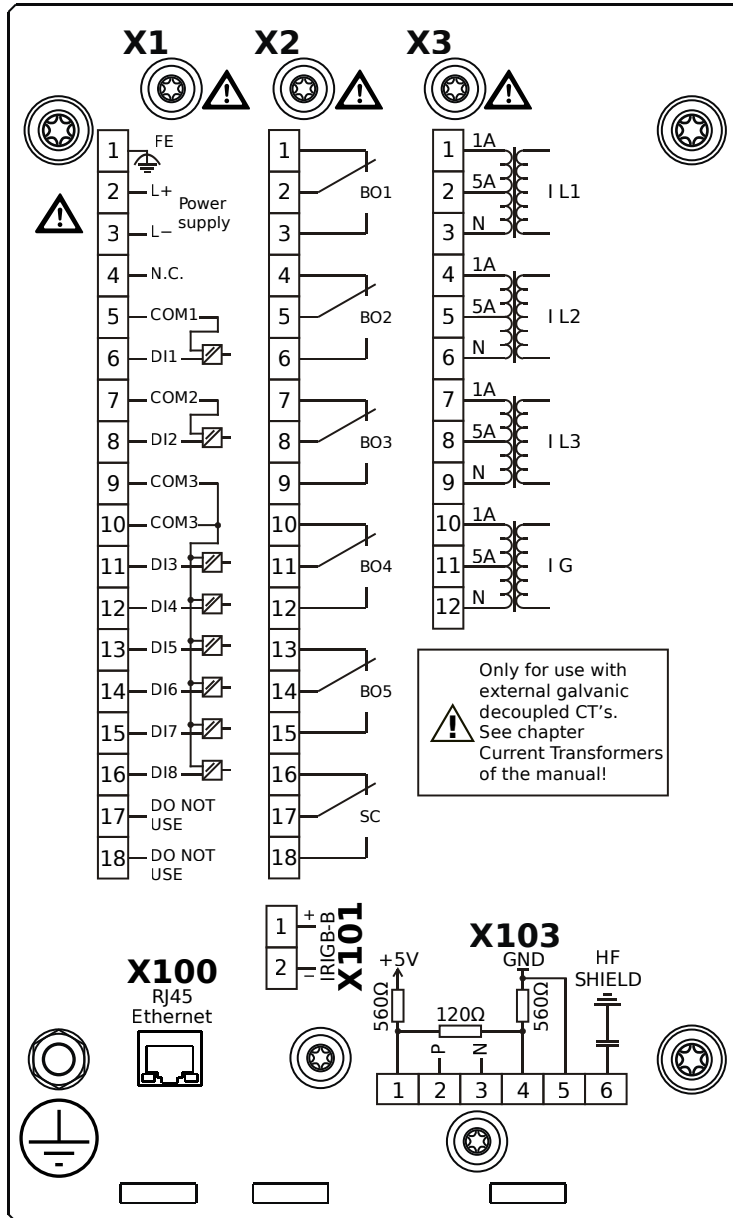
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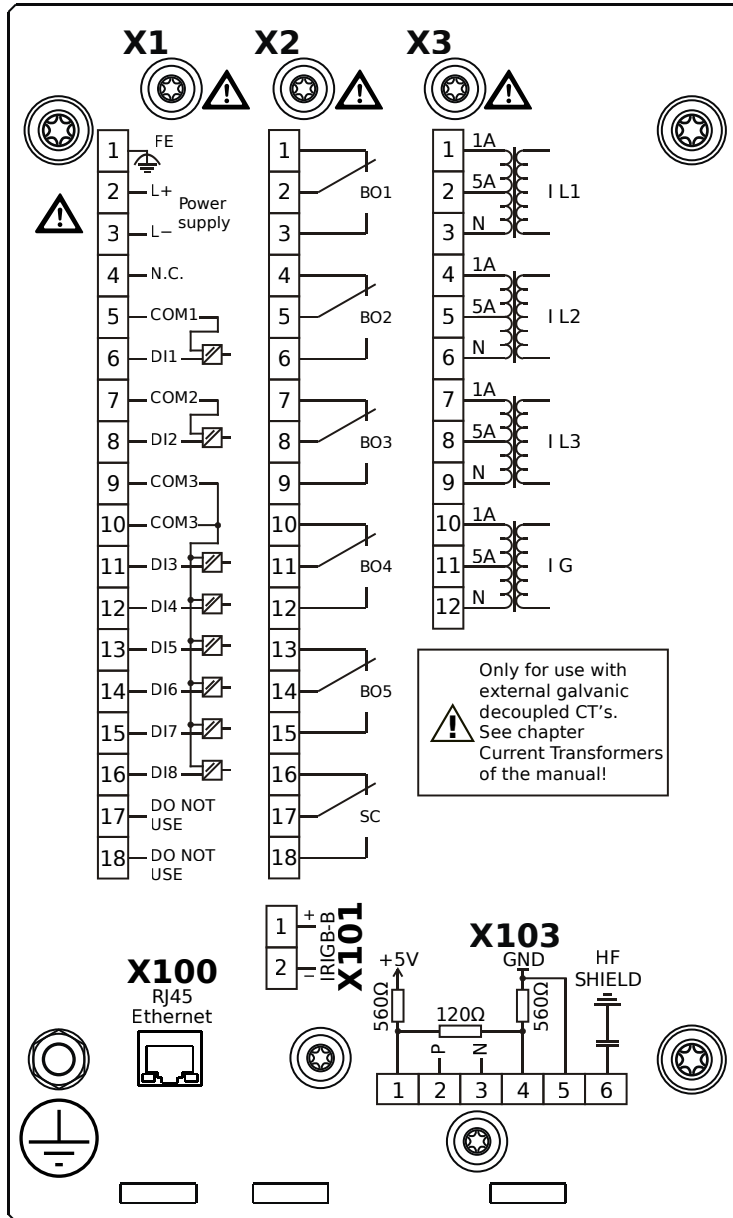
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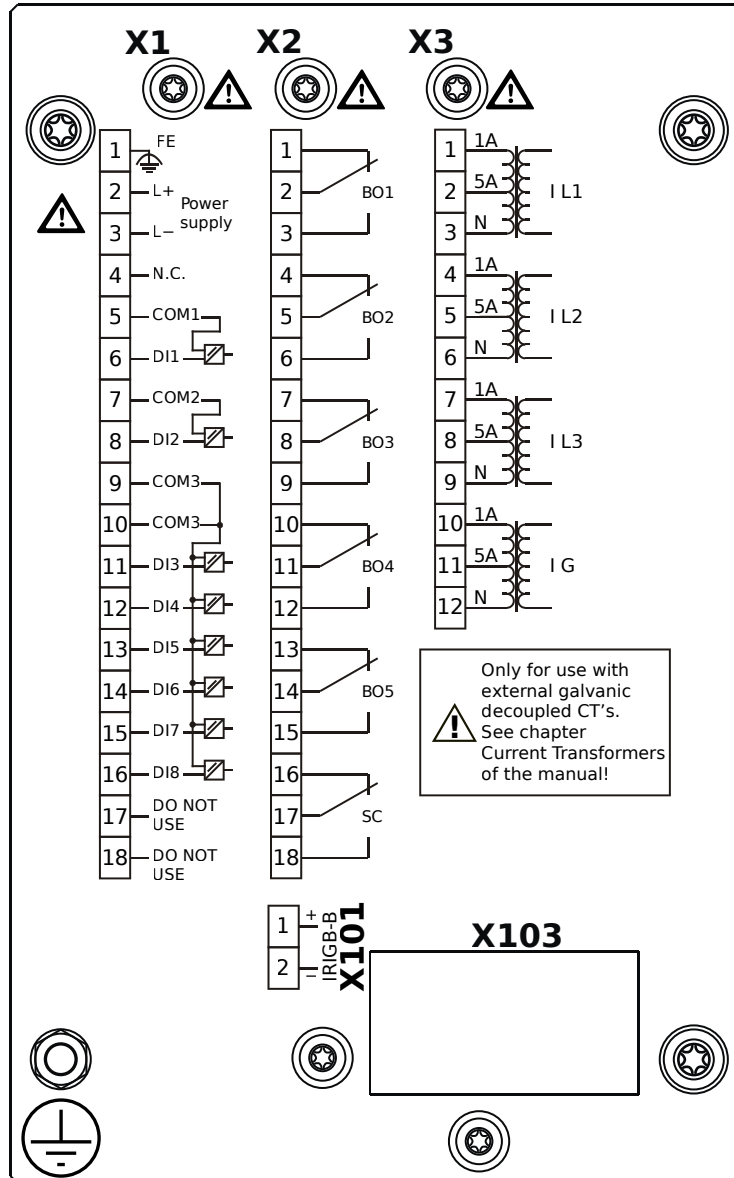
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Housing B1, small display, 19" rack mounting

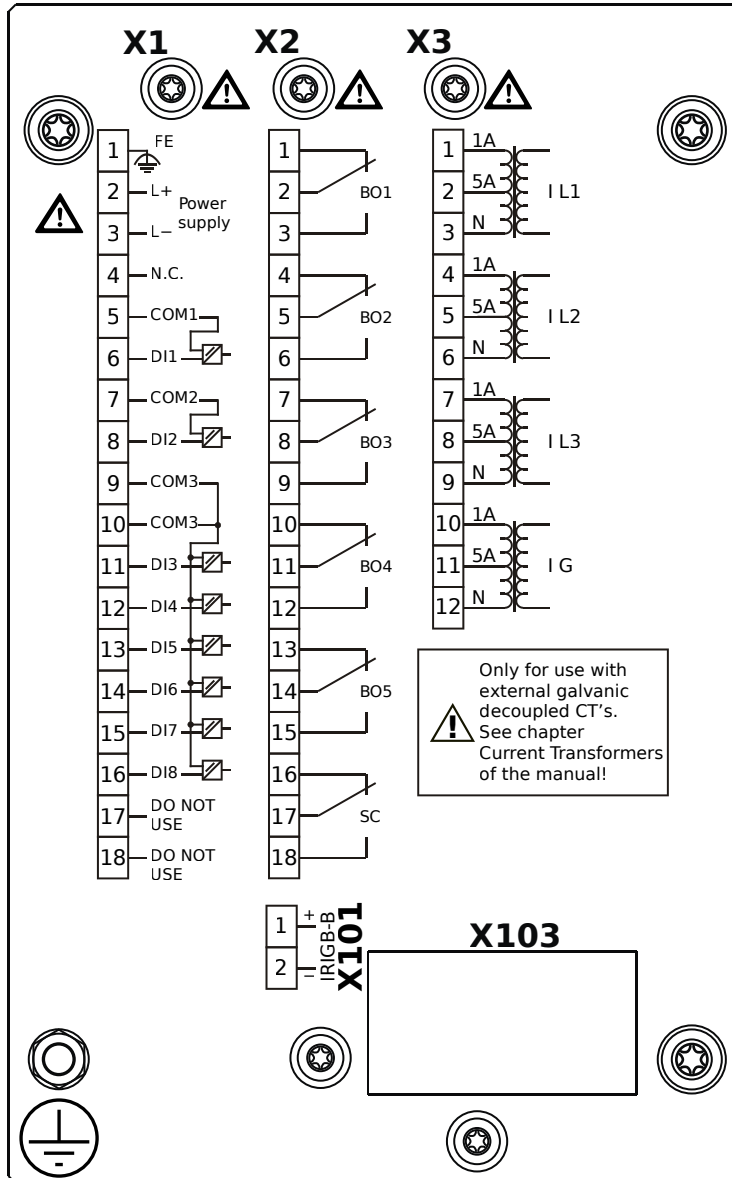
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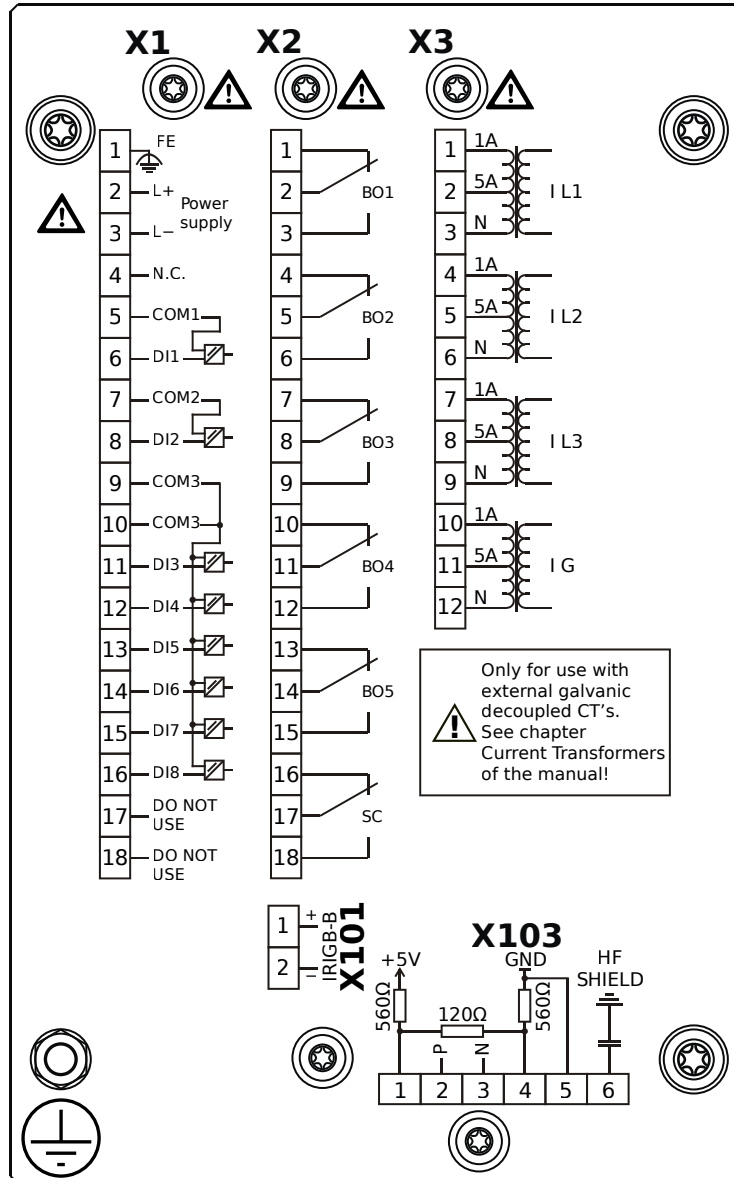
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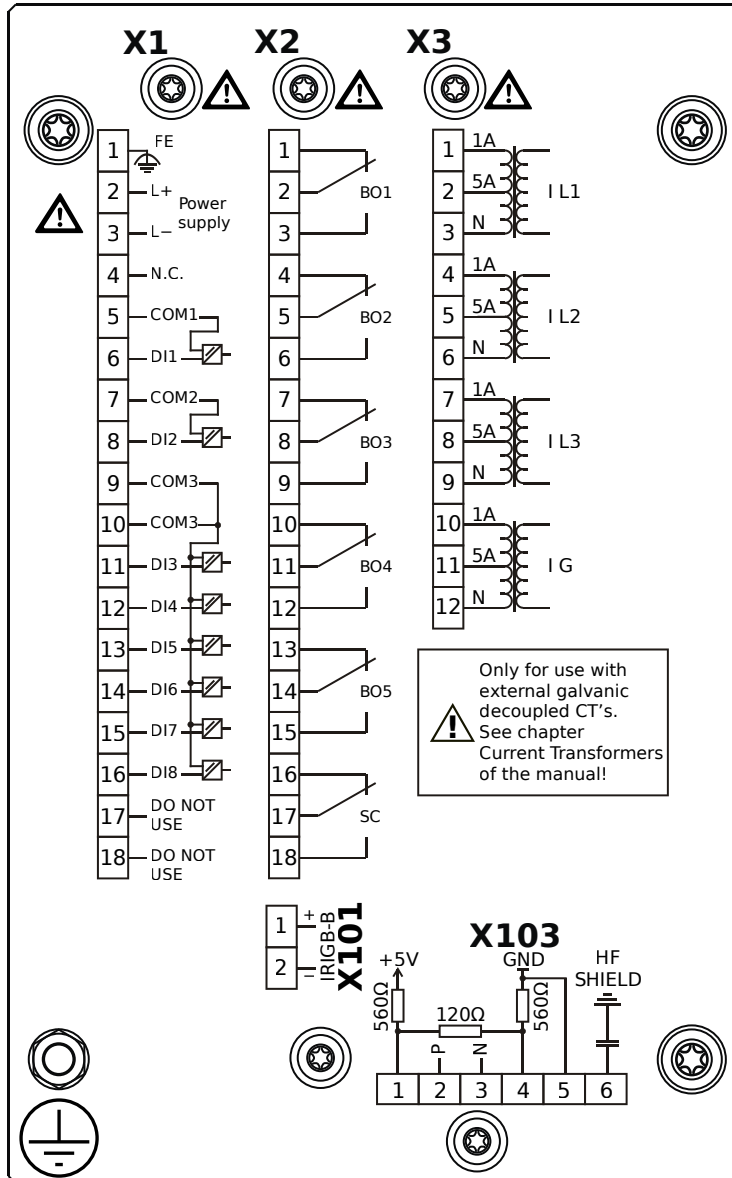
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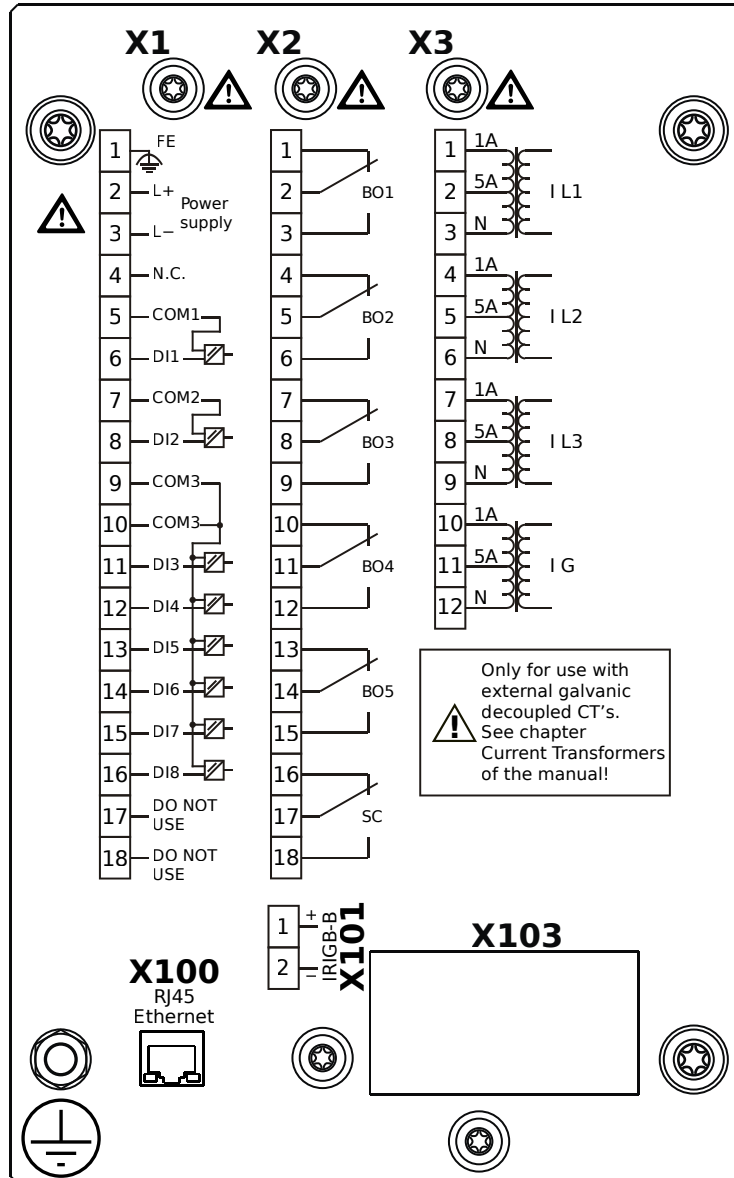
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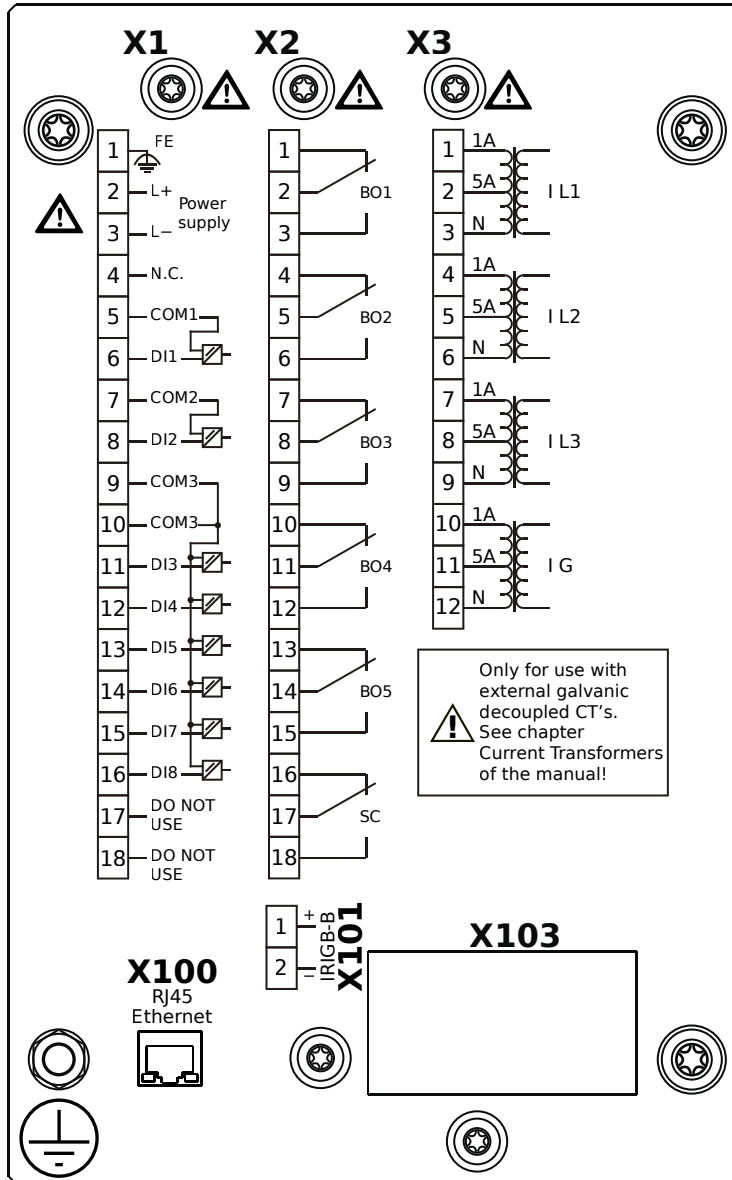
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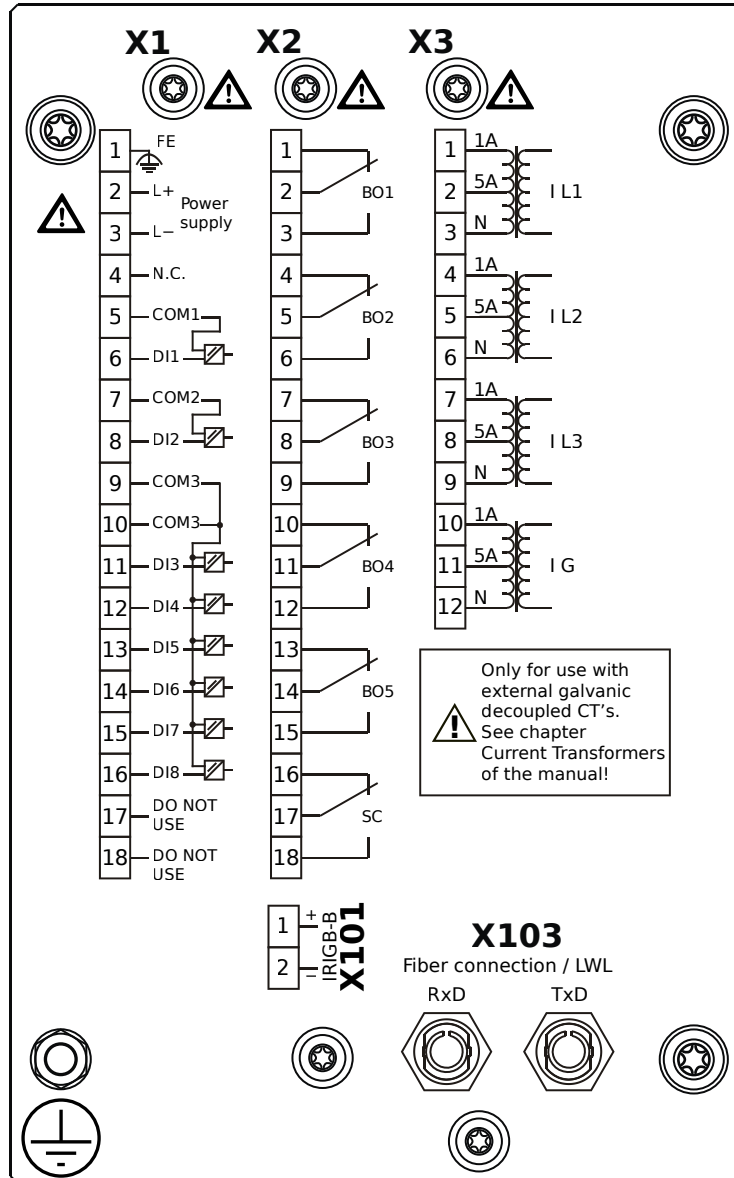
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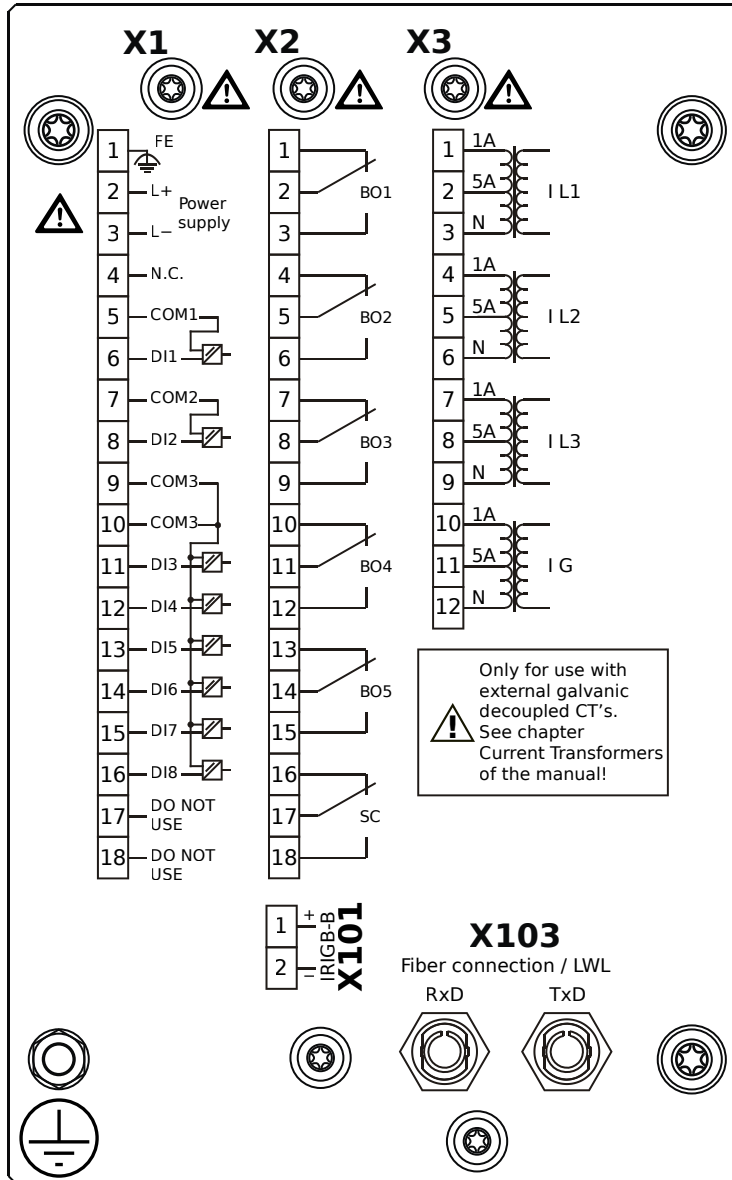
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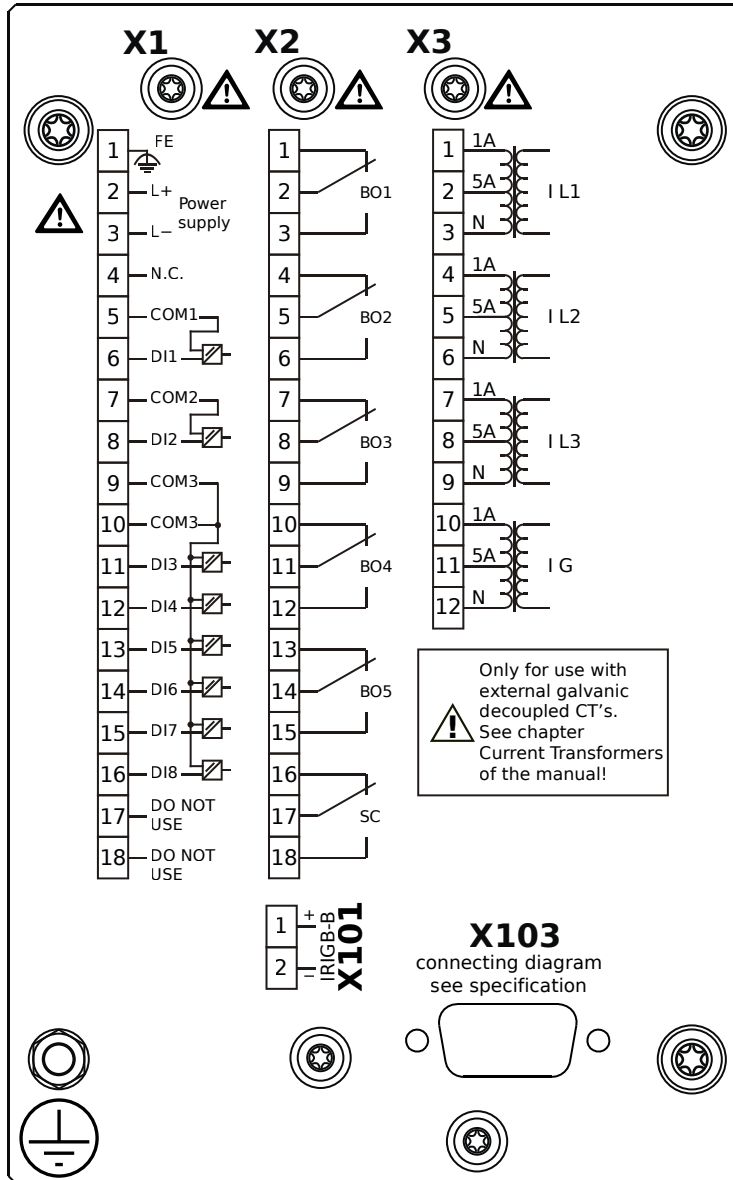
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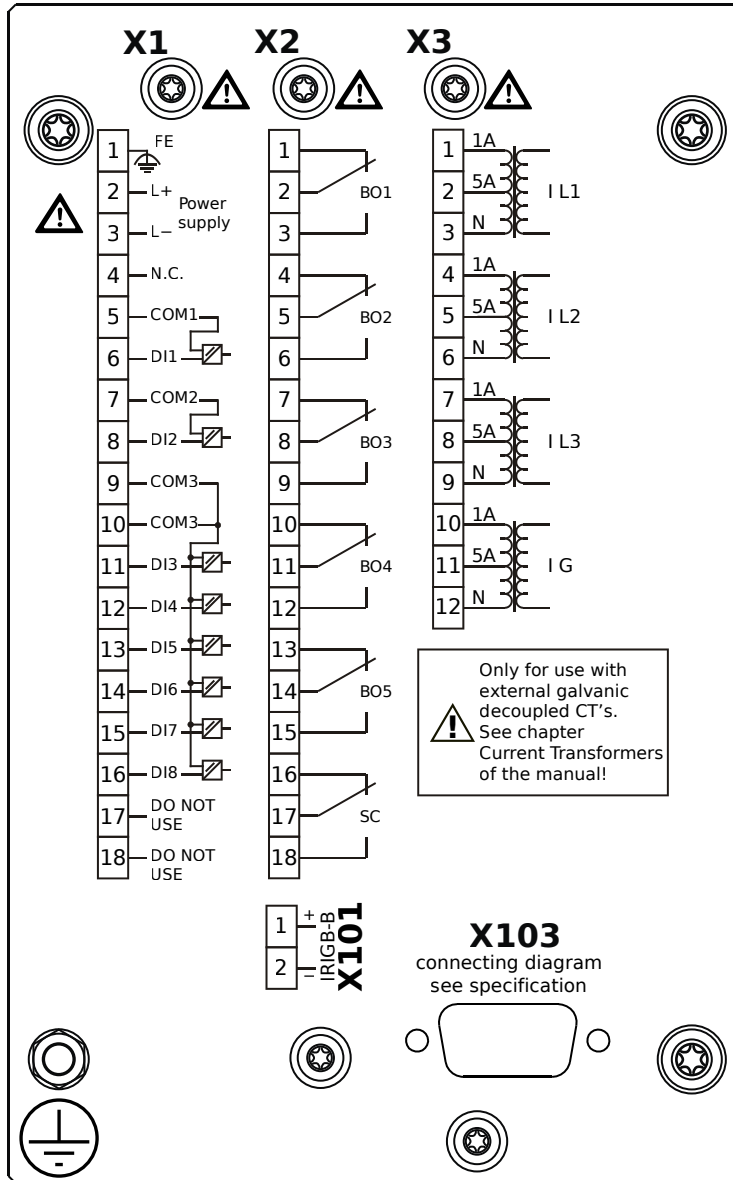
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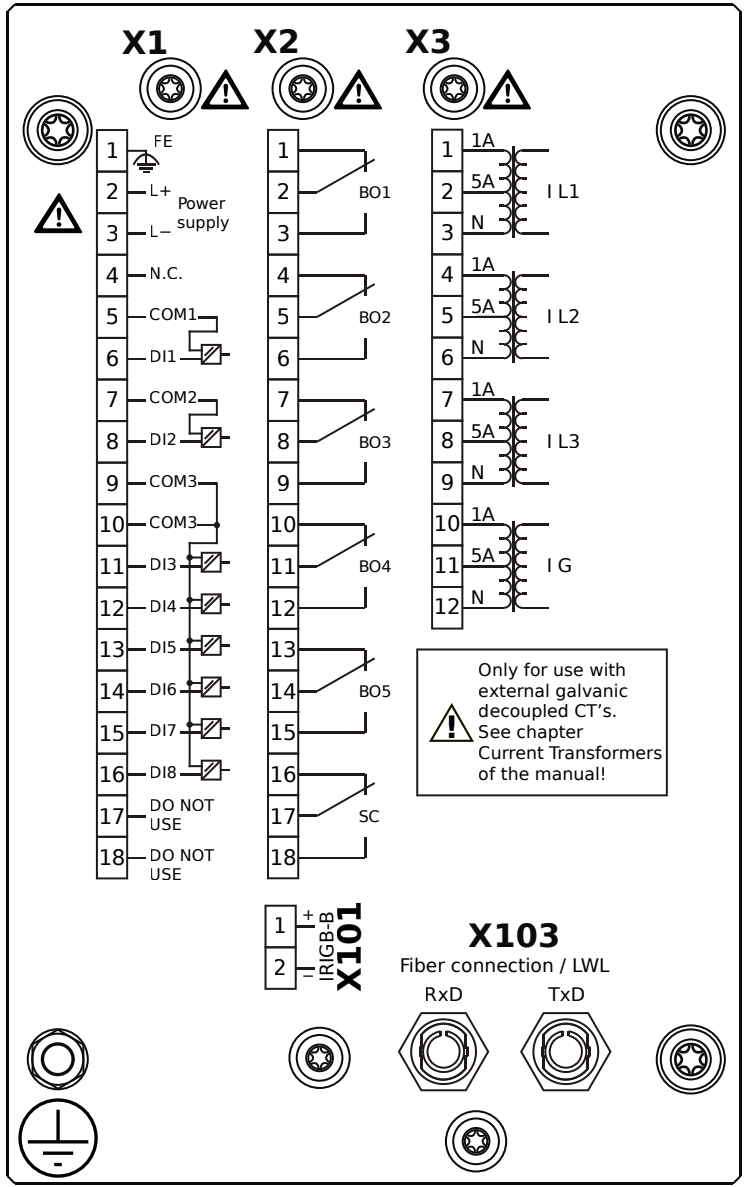
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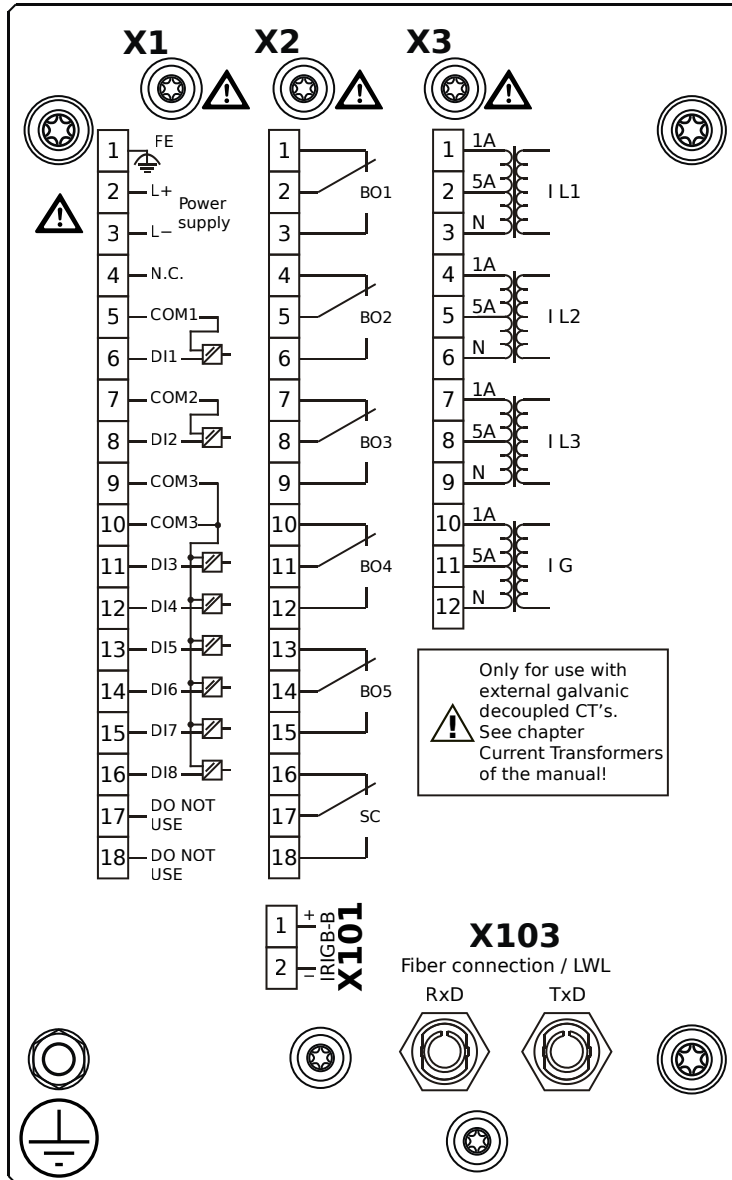
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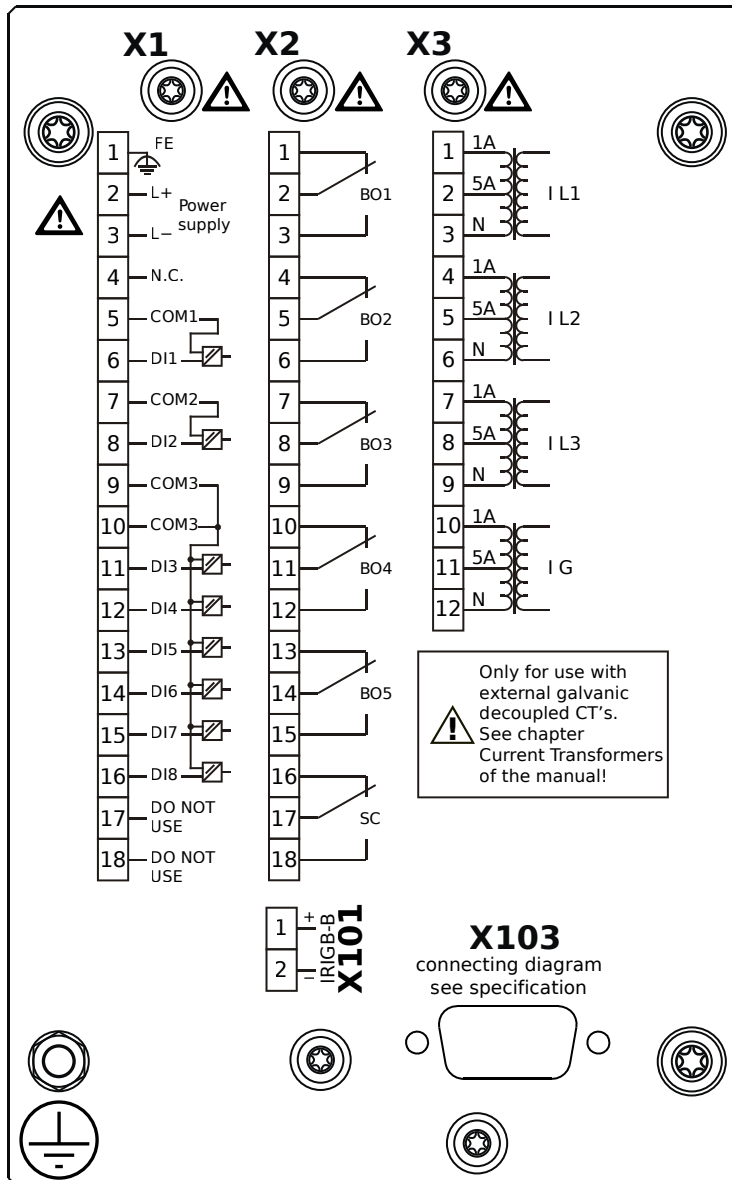
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MRM4-2A0BGA



Housing B1, small display, 19" rack mounting

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

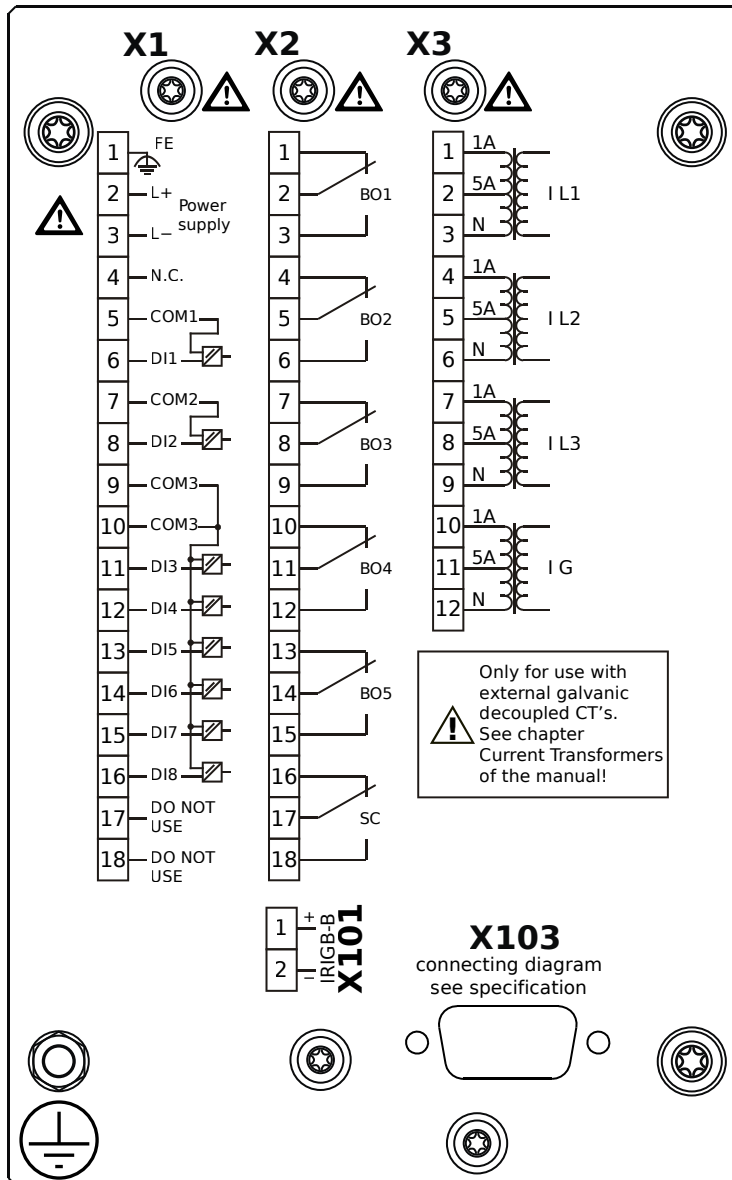
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TI: Standard current measuring card

X101 – IRIG-B00X

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

MRM4-2A0BGB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

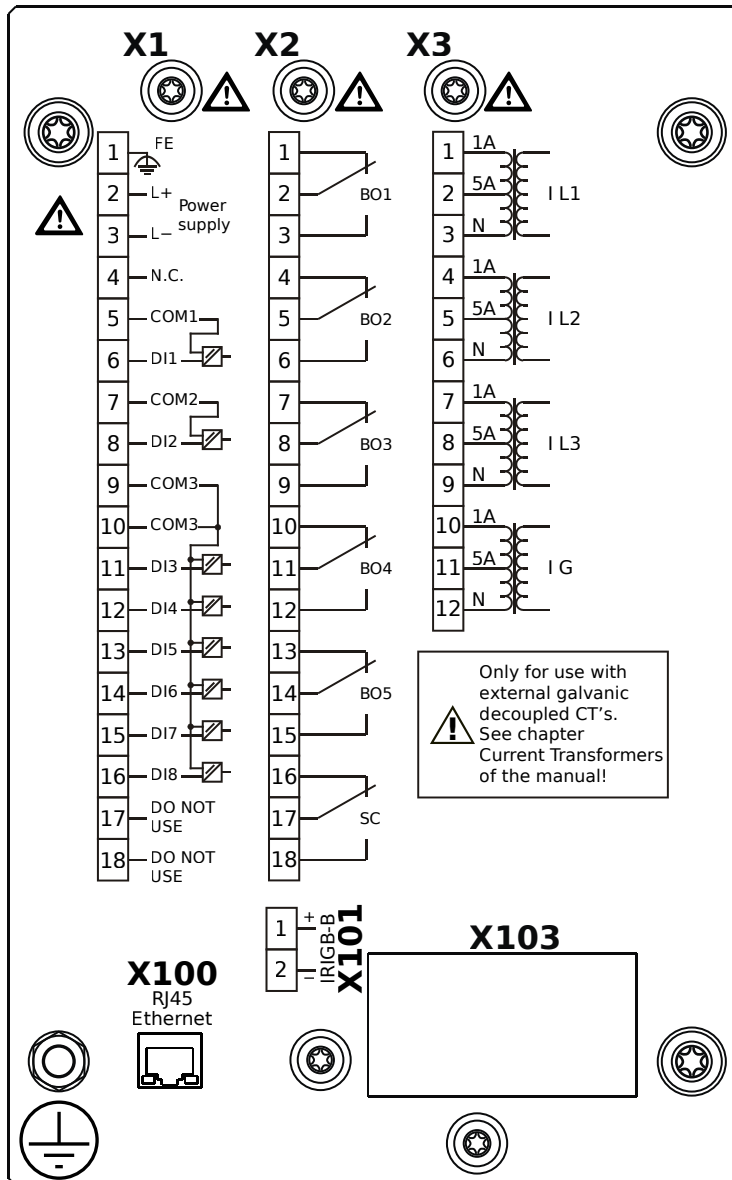
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TI: Standard current measuring card

X101 – IRIG-B00X

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

MRM4-2A0BHA



Housing B1, small display, 19" rack mounting

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

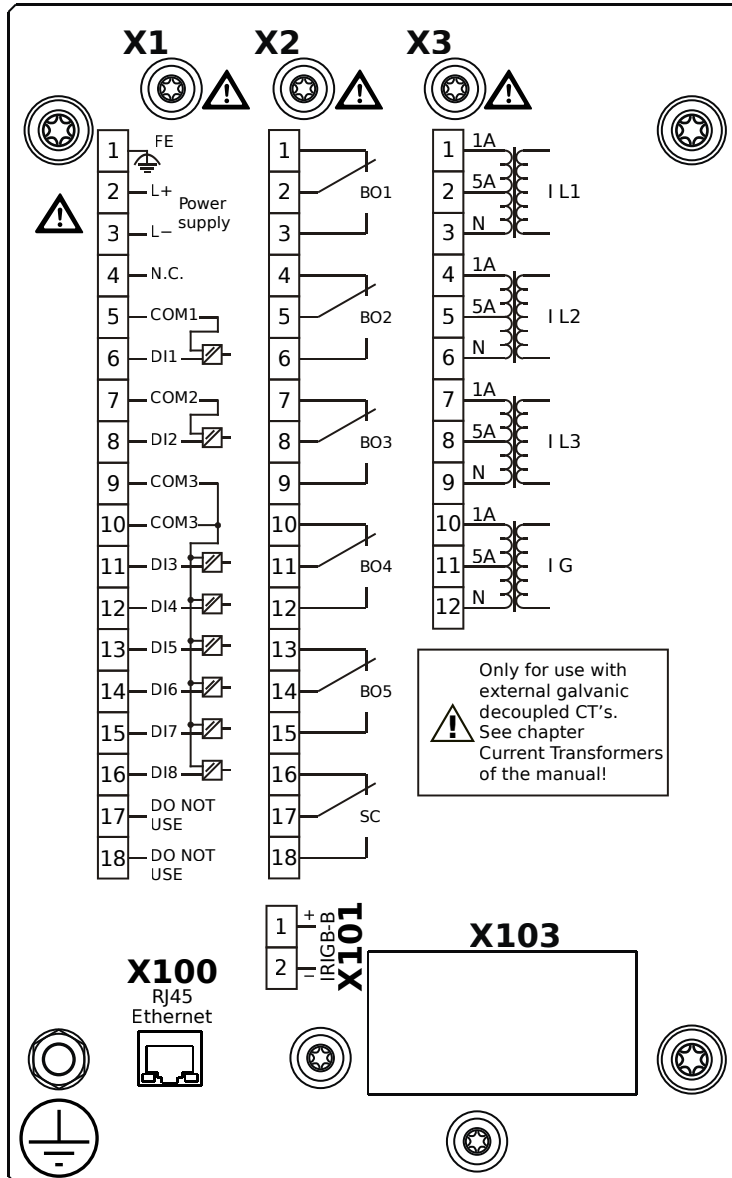
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TI: Standard current measuring card

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

MRM4-2A0BHB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

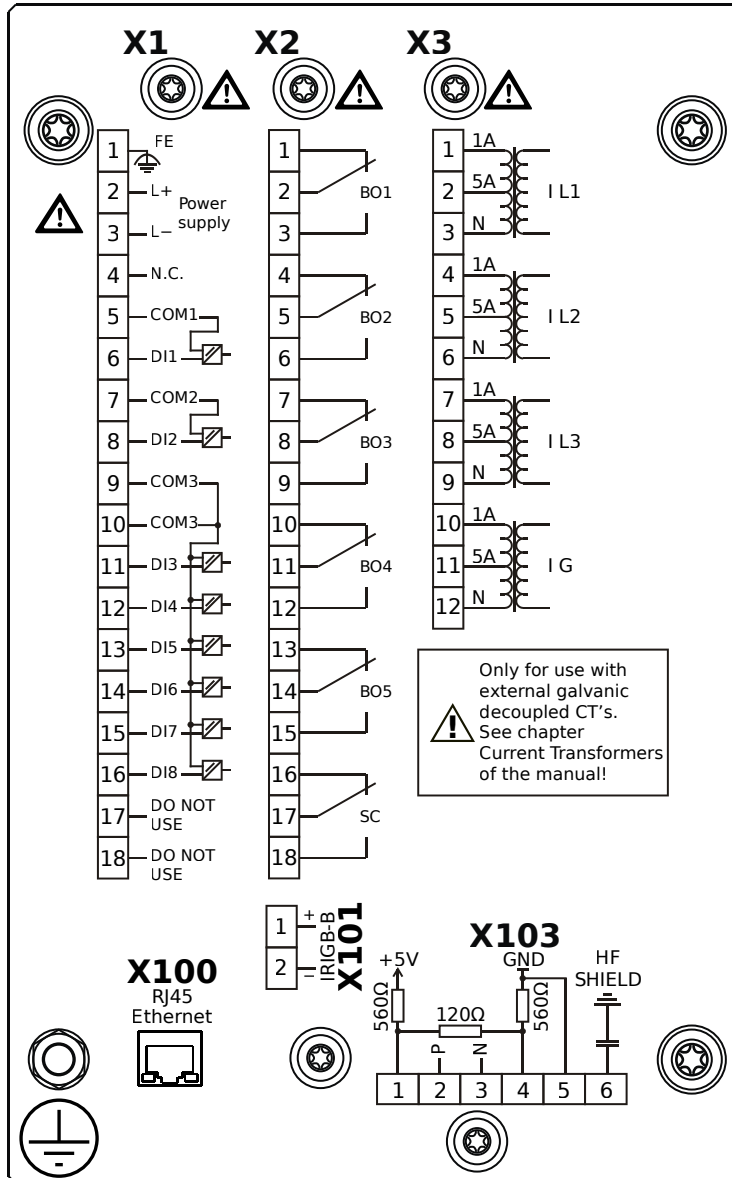
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TI: Standard current measuring card

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

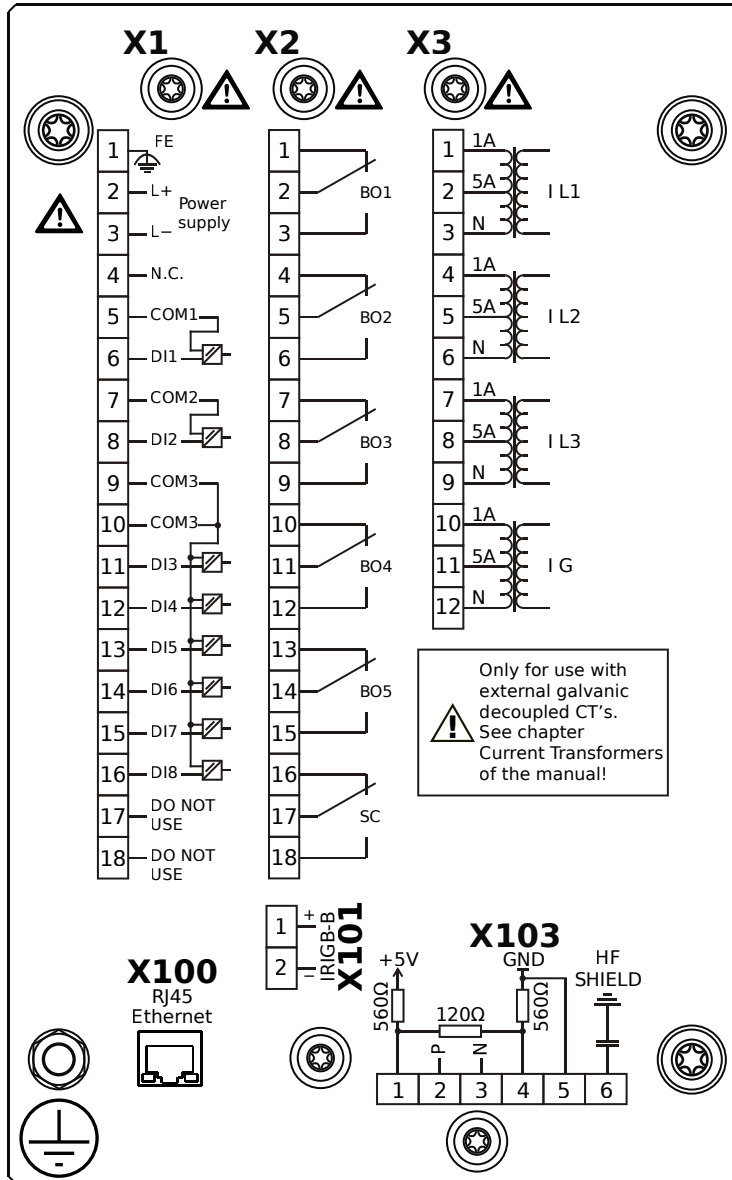
MRM4-2A0BIA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TI: Standard current measuring card
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2A0BIB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

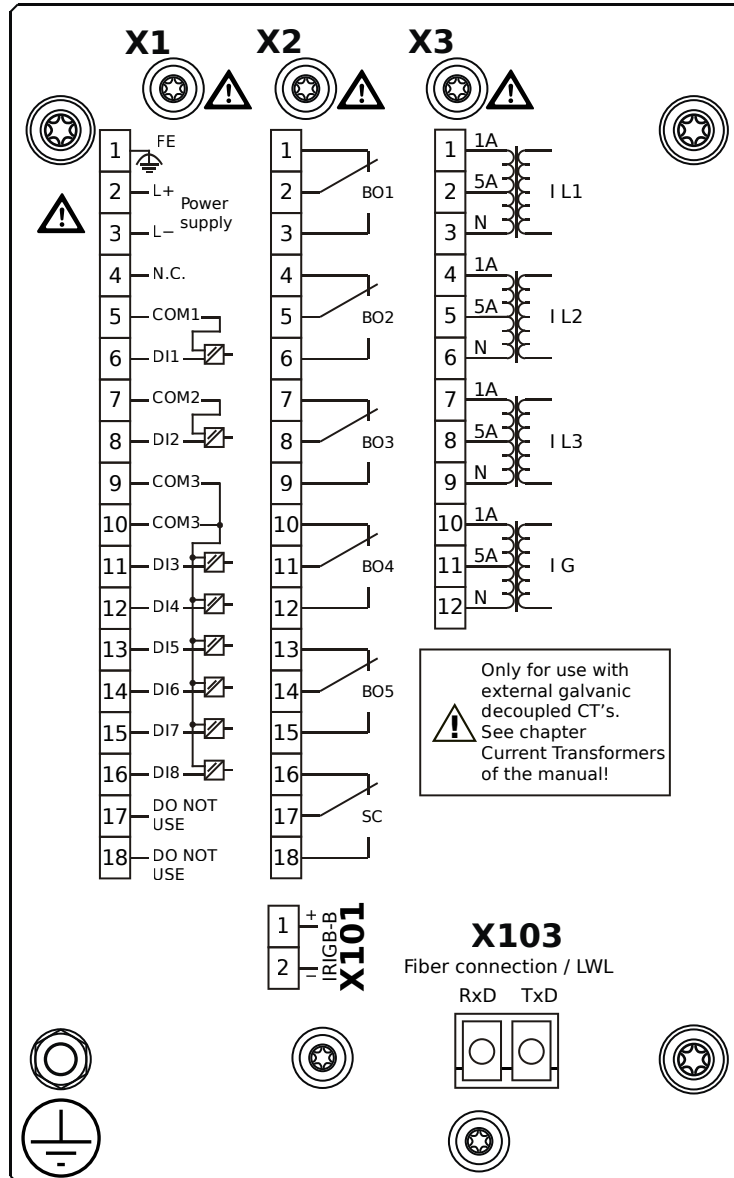
X3 – TI: Standard current measuring card

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

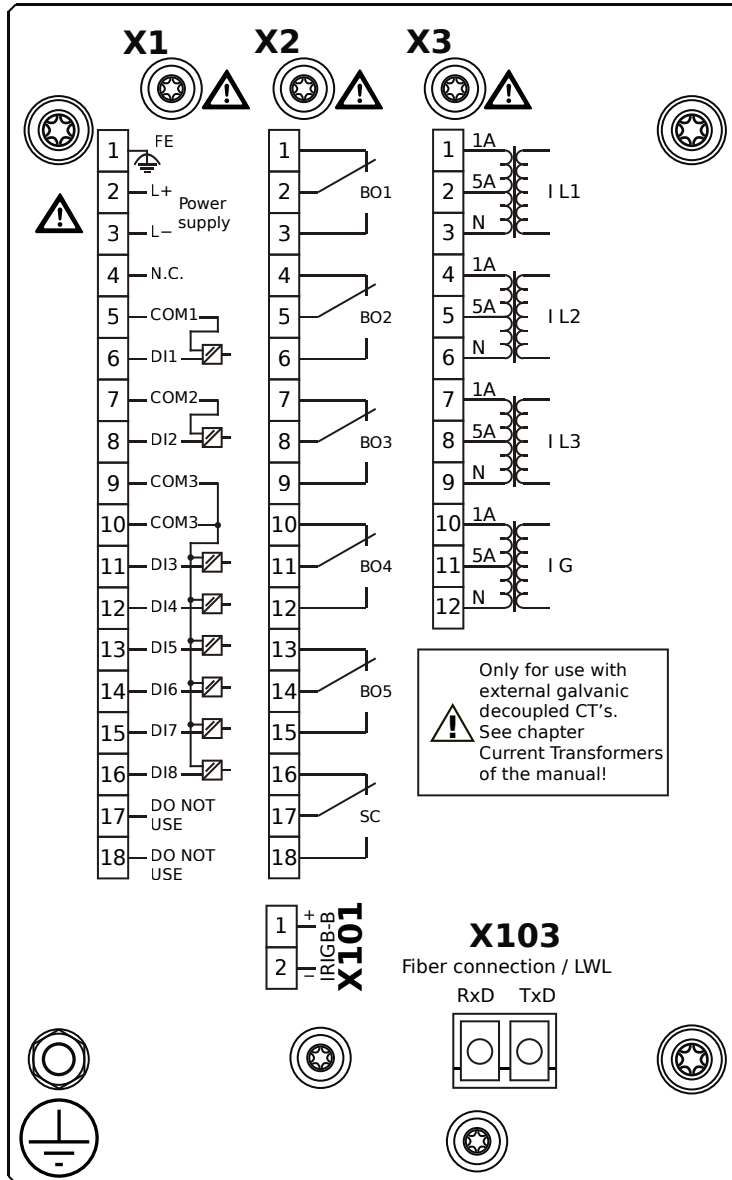
MRM4-2A0BKA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TI: Standard current measuring card
- X101** – IRIG-B00X
- X103** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2A0BKB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

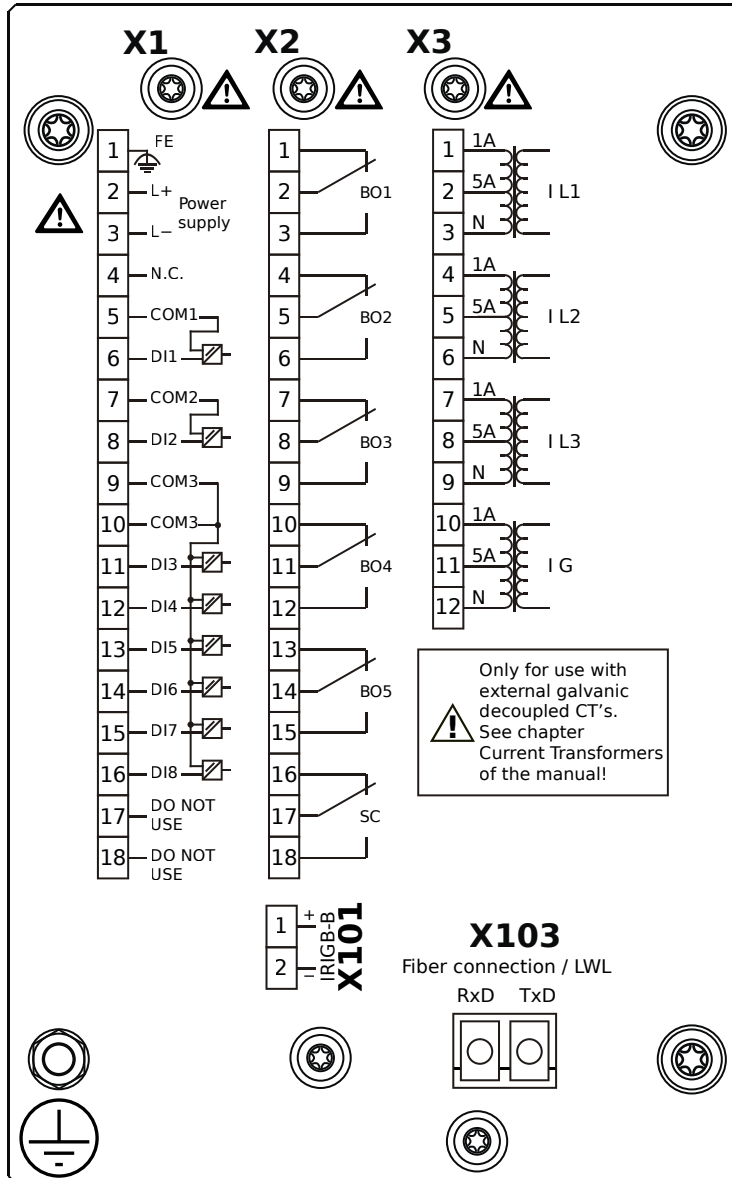
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TI: Standard current measuring card

X101 – IRIG-B00X

X103 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

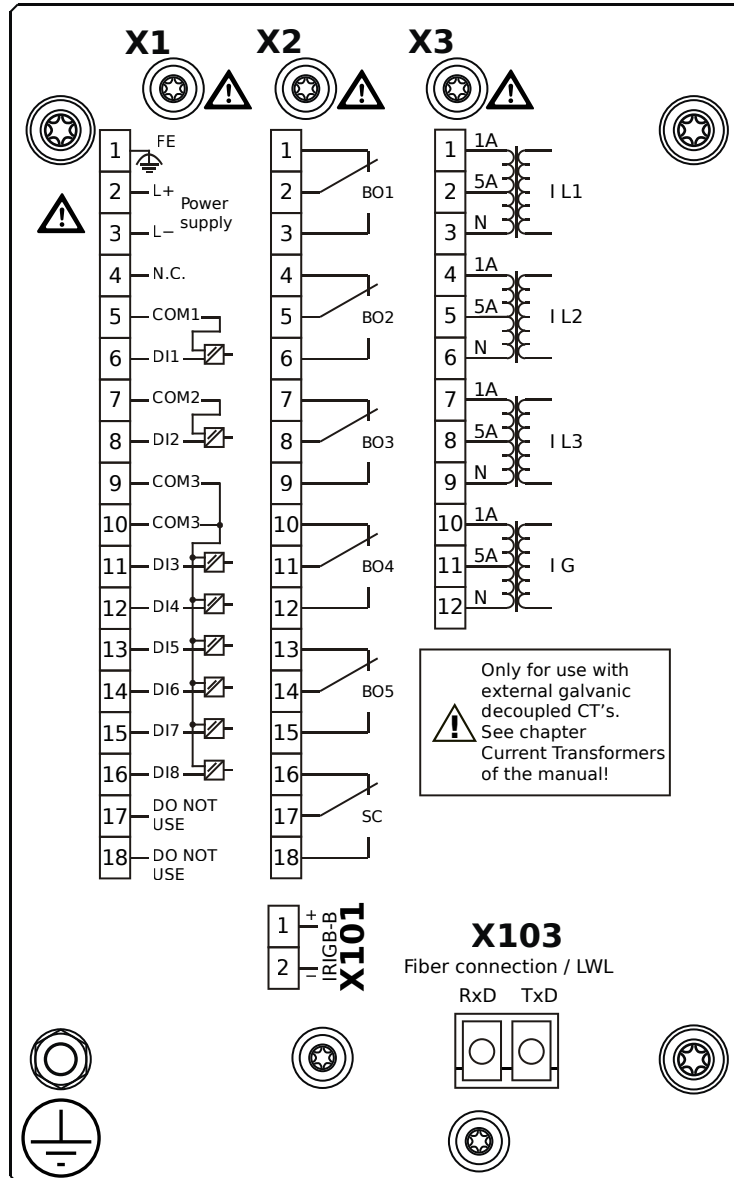
MRM4-2A0BLA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TI: Standard current measuring card
- X101** – IRIG-B00X
- X103** – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2A0BLB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

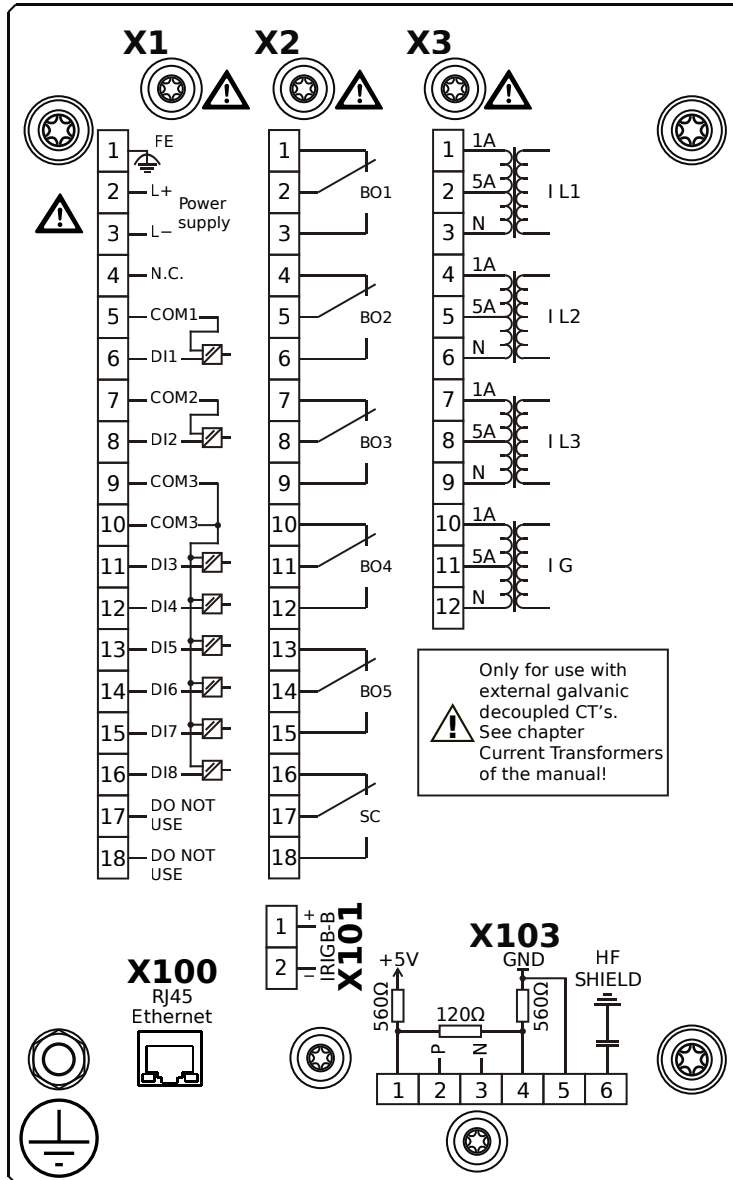
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TI: Standard current measuring card

X101 – IRIG-B00X

X103 – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

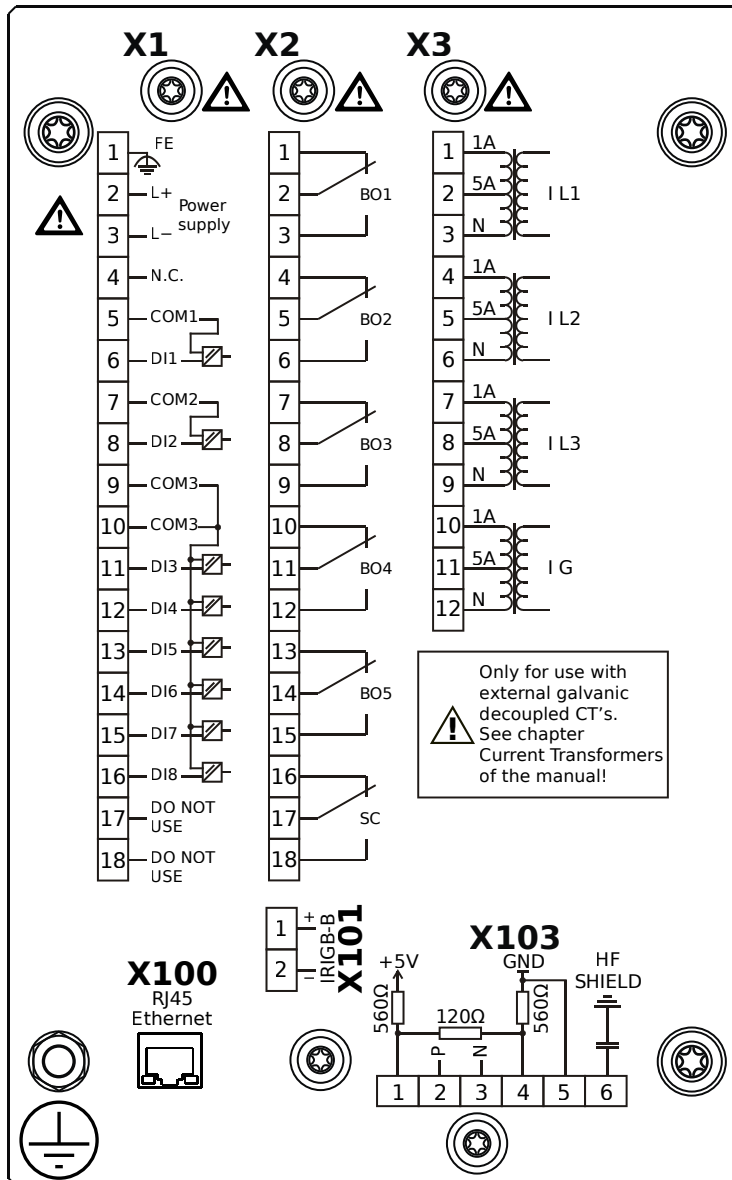
MRM4-2A0BTA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TI: Standard current measuring card
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2A0BTB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

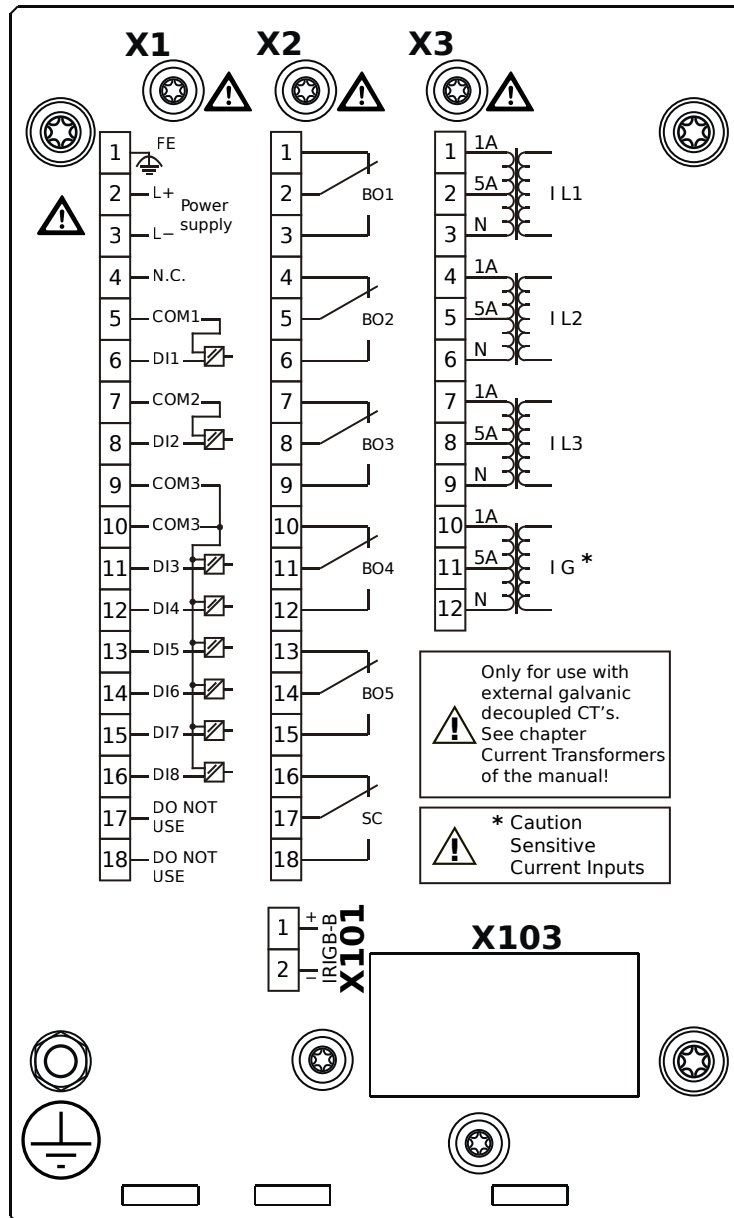
X3 – TI: Standard current measuring card

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

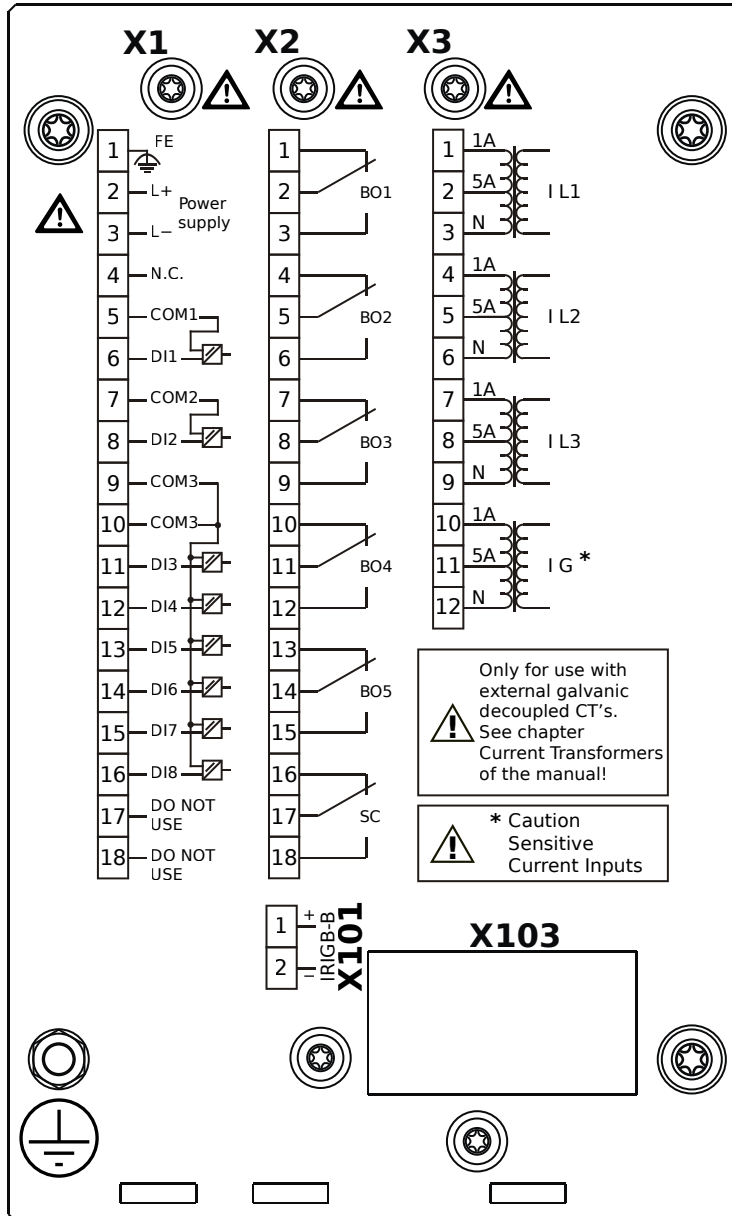
MRM4-2A1AAA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X

MRM4-2A1AAB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

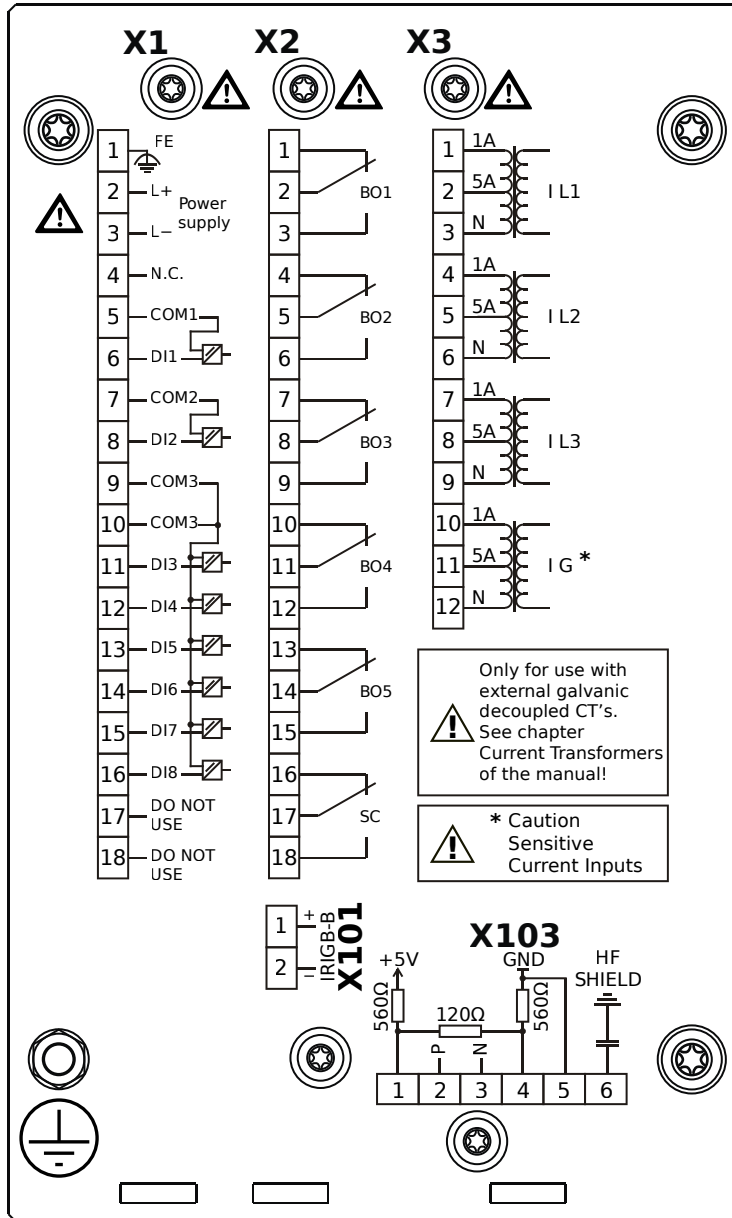
X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

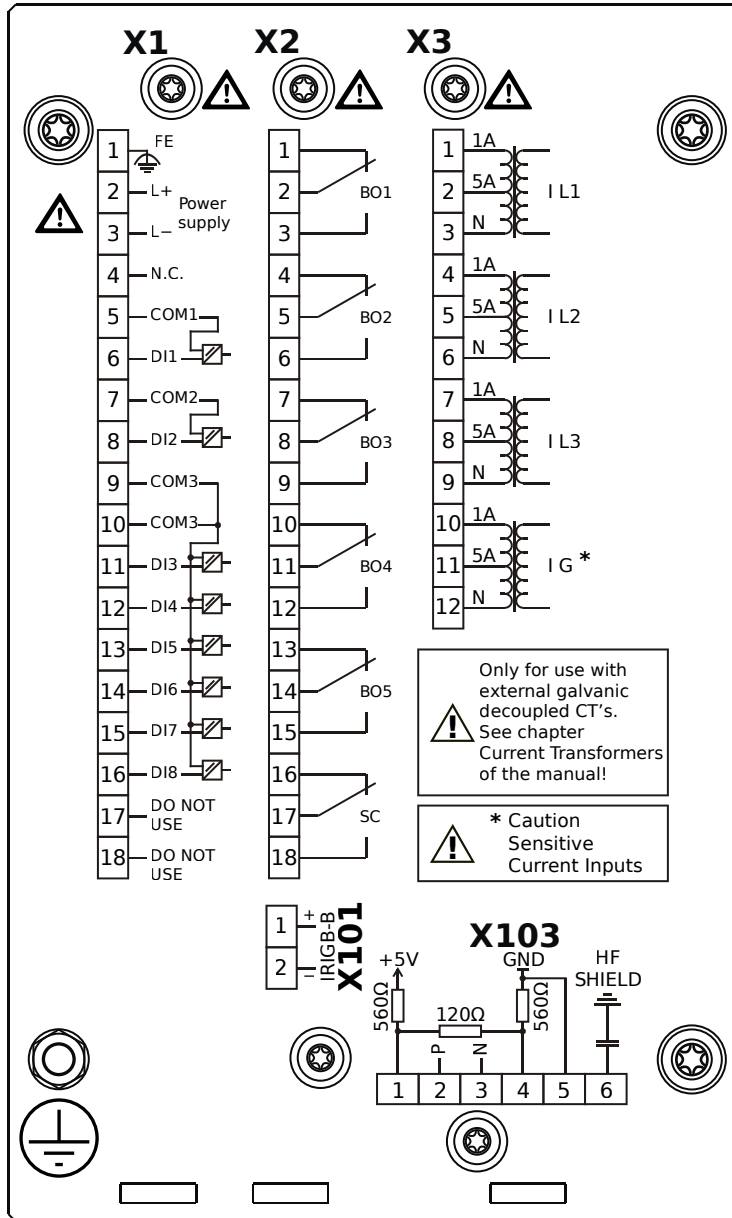
MRM4-2A1ABA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

MRM4-2A1ABB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

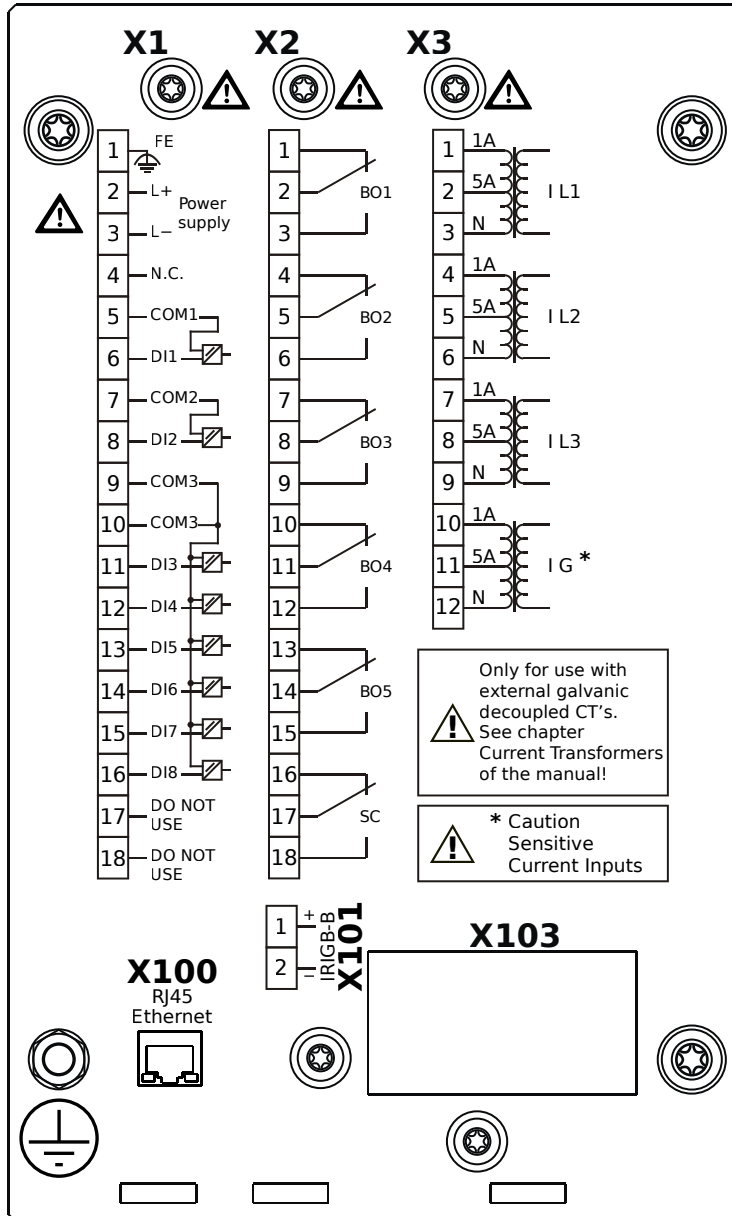
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

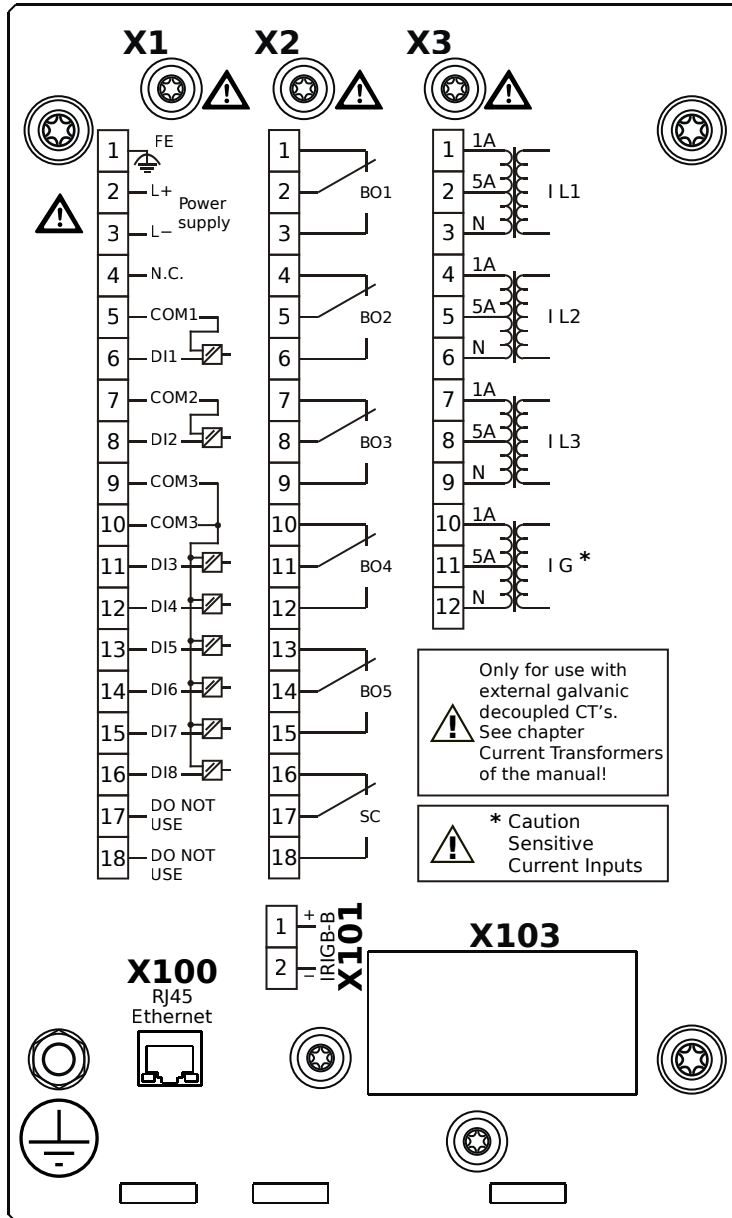
MRM4-2A1ACA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X

MRM4-2A1ACB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

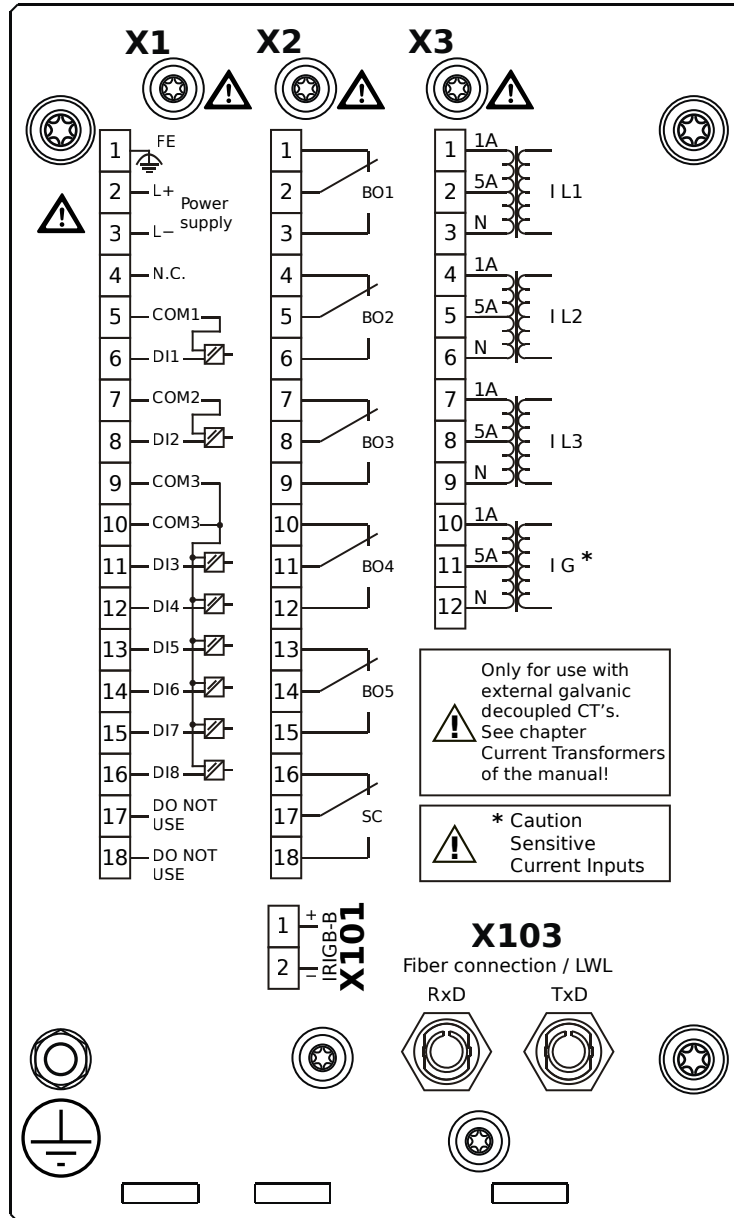
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

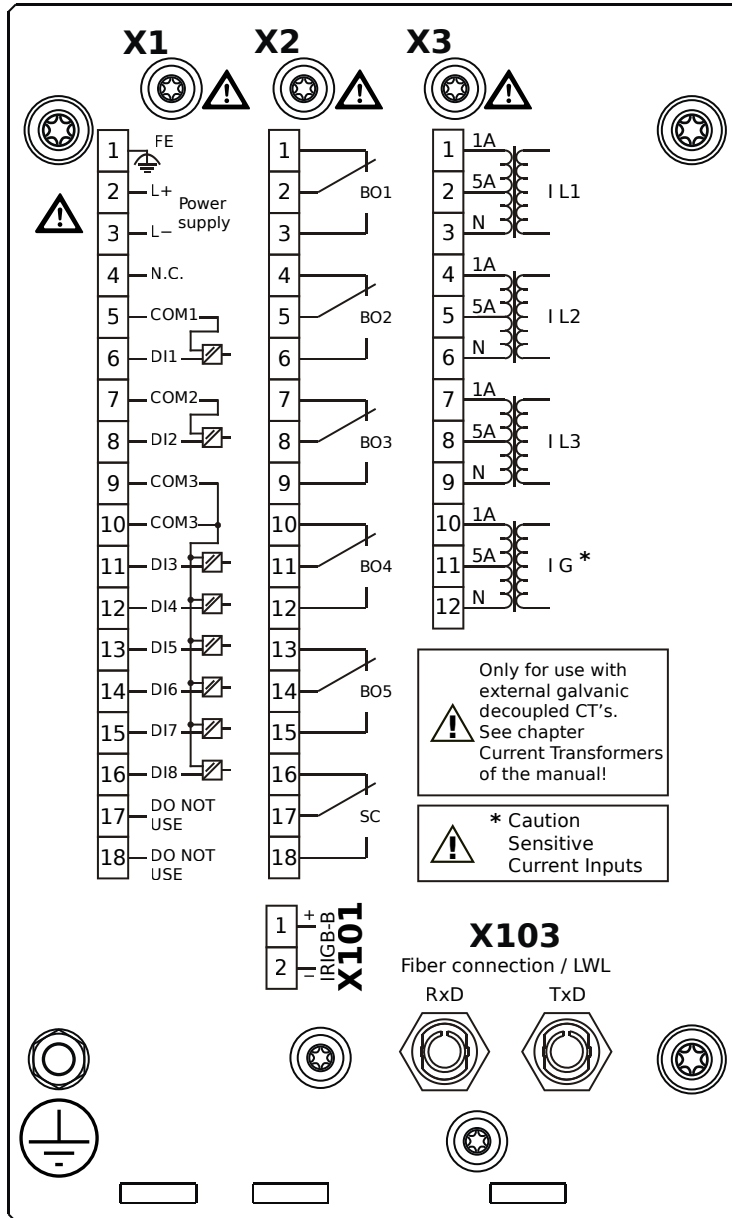
MRM4-2A1ADA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X
- X103** – Profibus-DP, Fiber optics interface, ST Connector

MRM4-2A1ADB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

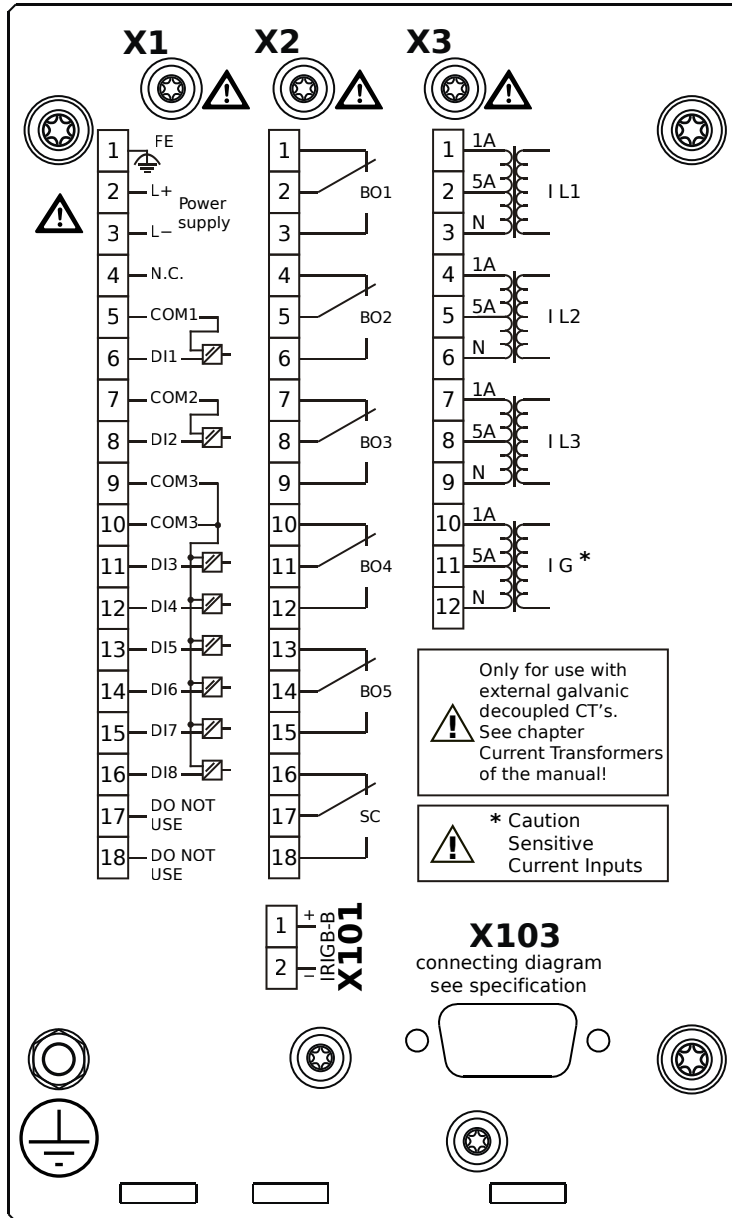
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Profibus-DP, Fiber optics interface, ST Connector

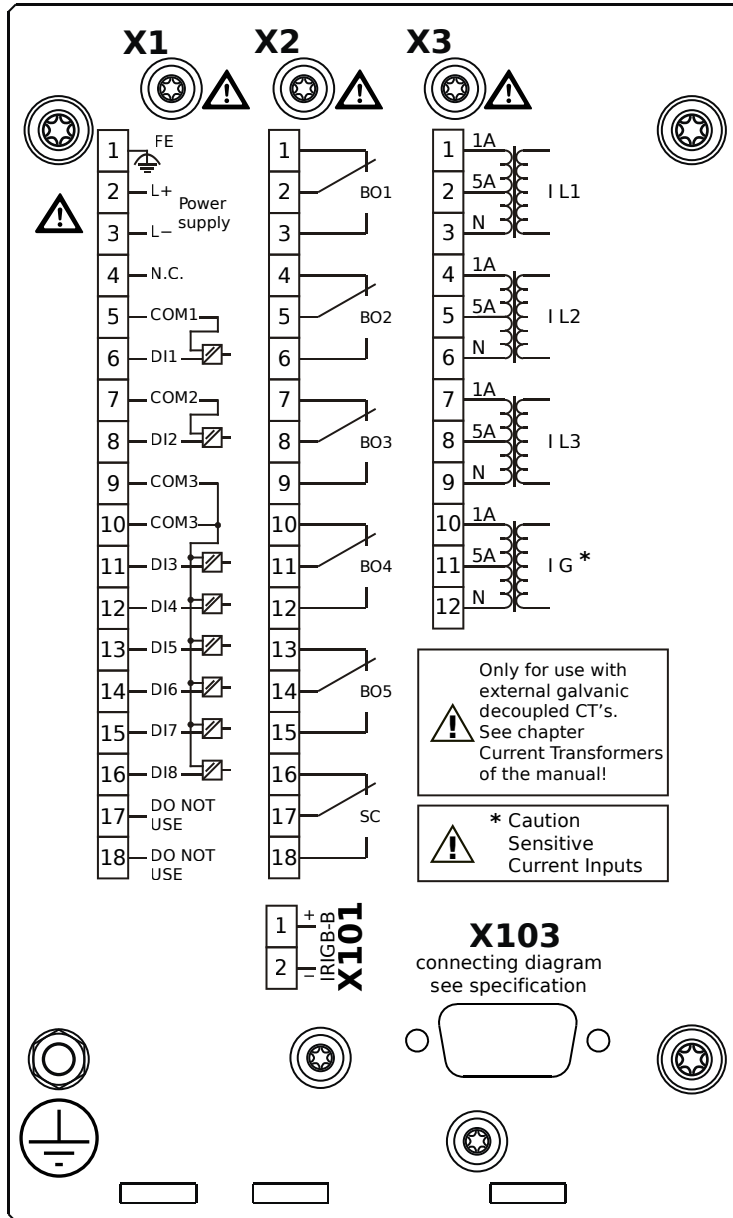
MRM4-2A1AEA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X
- X103** – Profibus-DP, RS485, D-SUB

MRM4-2A1AEB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

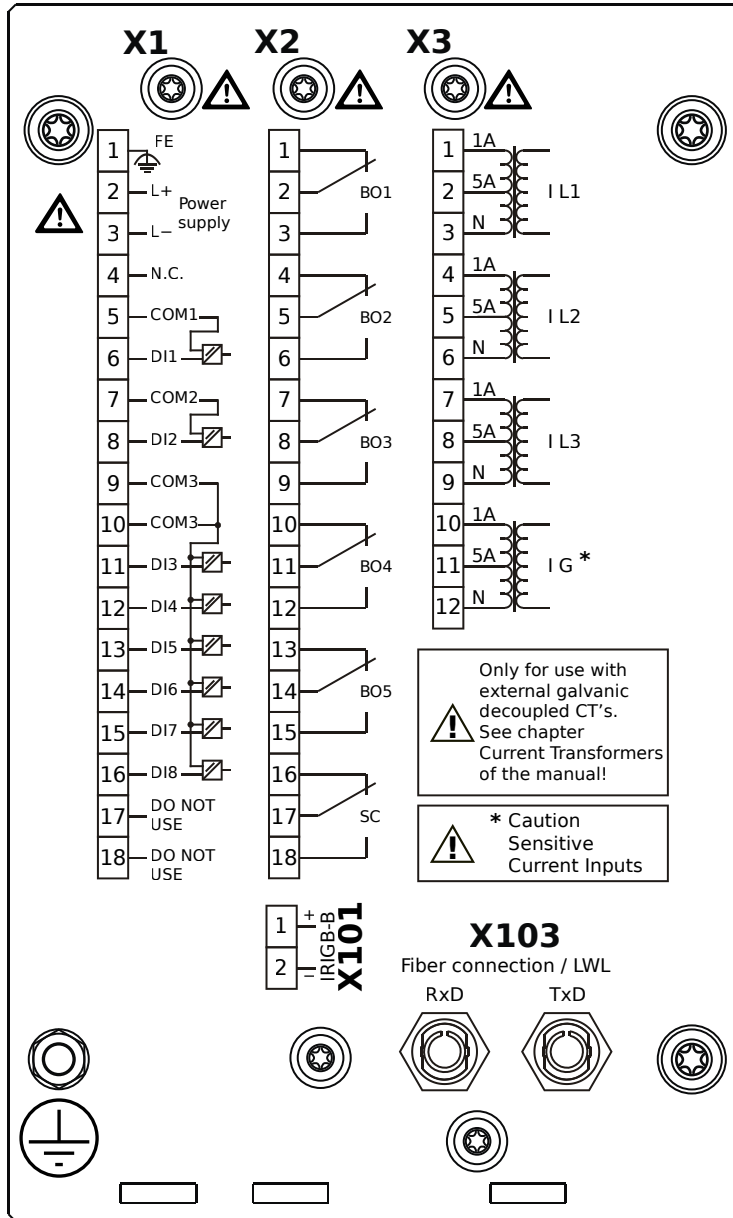
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Profibus-DP, RS485, D-SUB

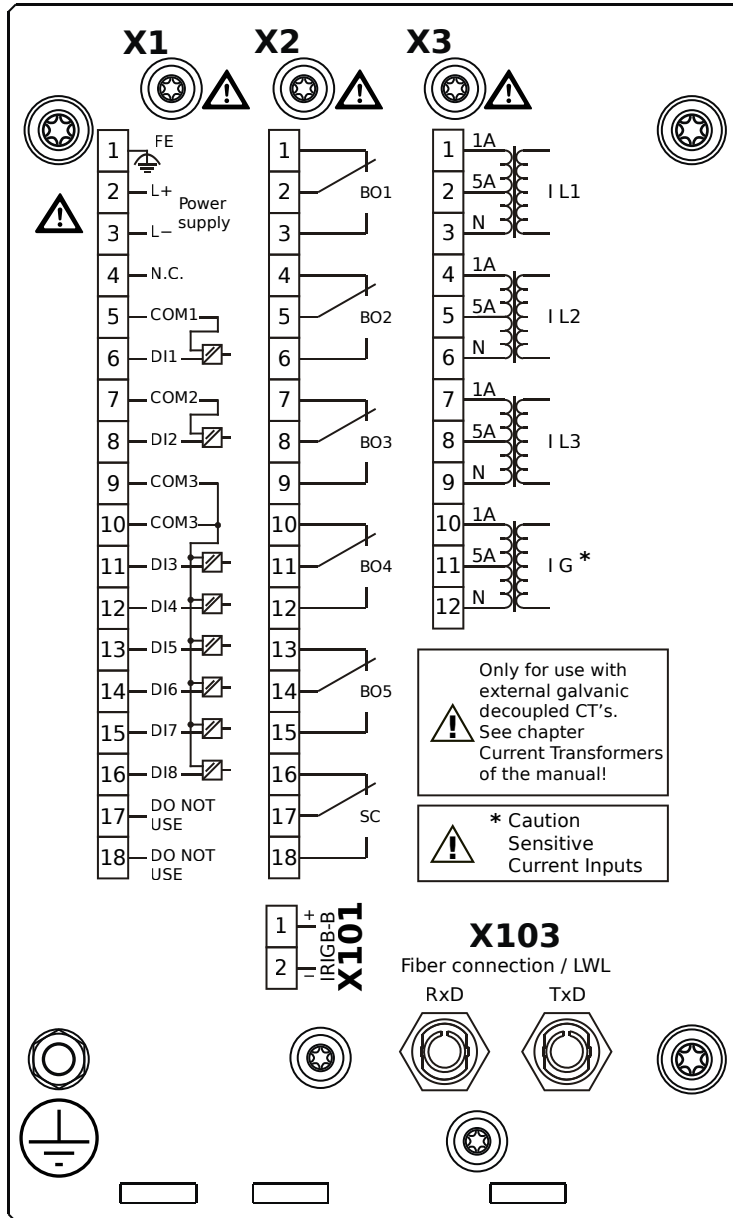
MRM4-2A1AFA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

MRM4-2A1AFB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

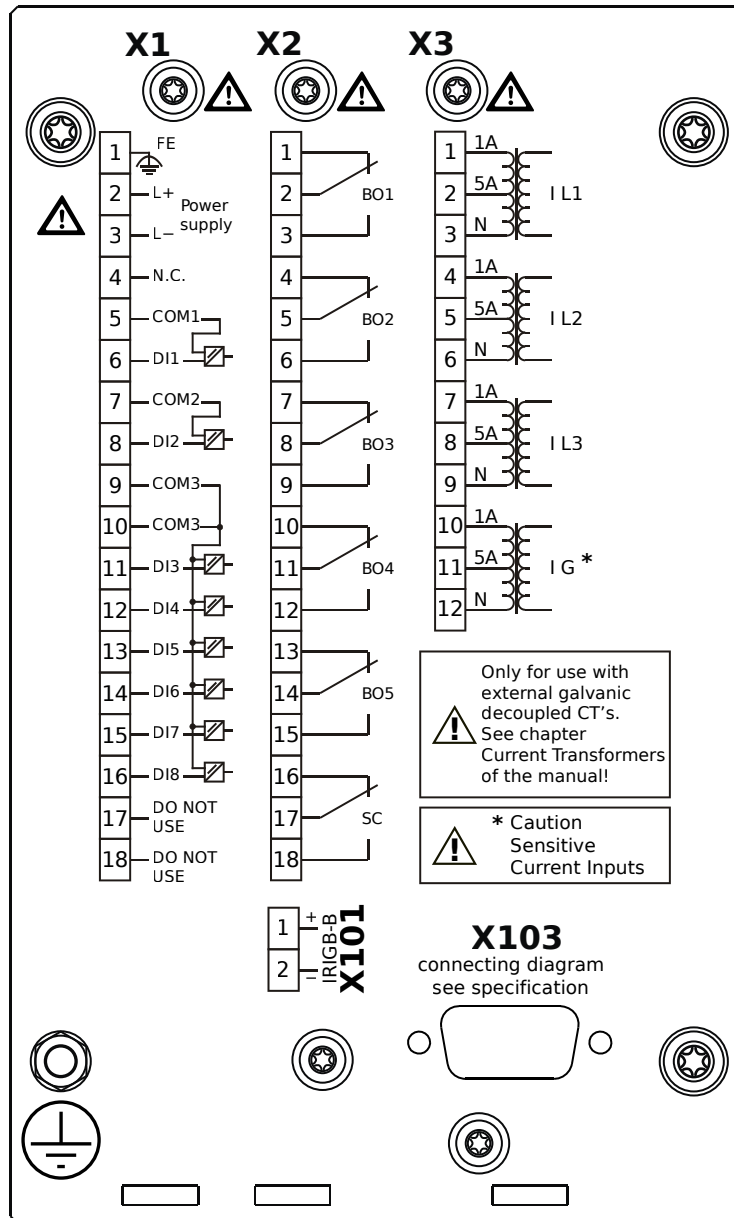
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

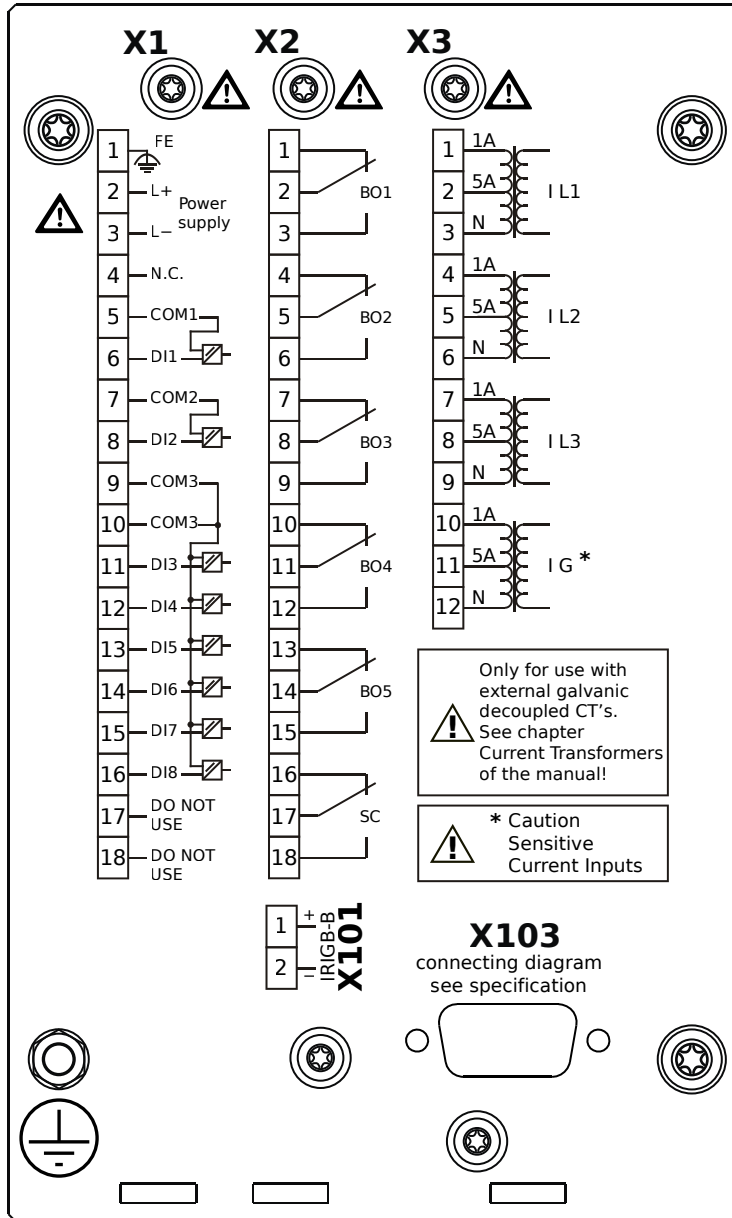
MRM4-2A1AGA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

MRM4-2A1AGB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

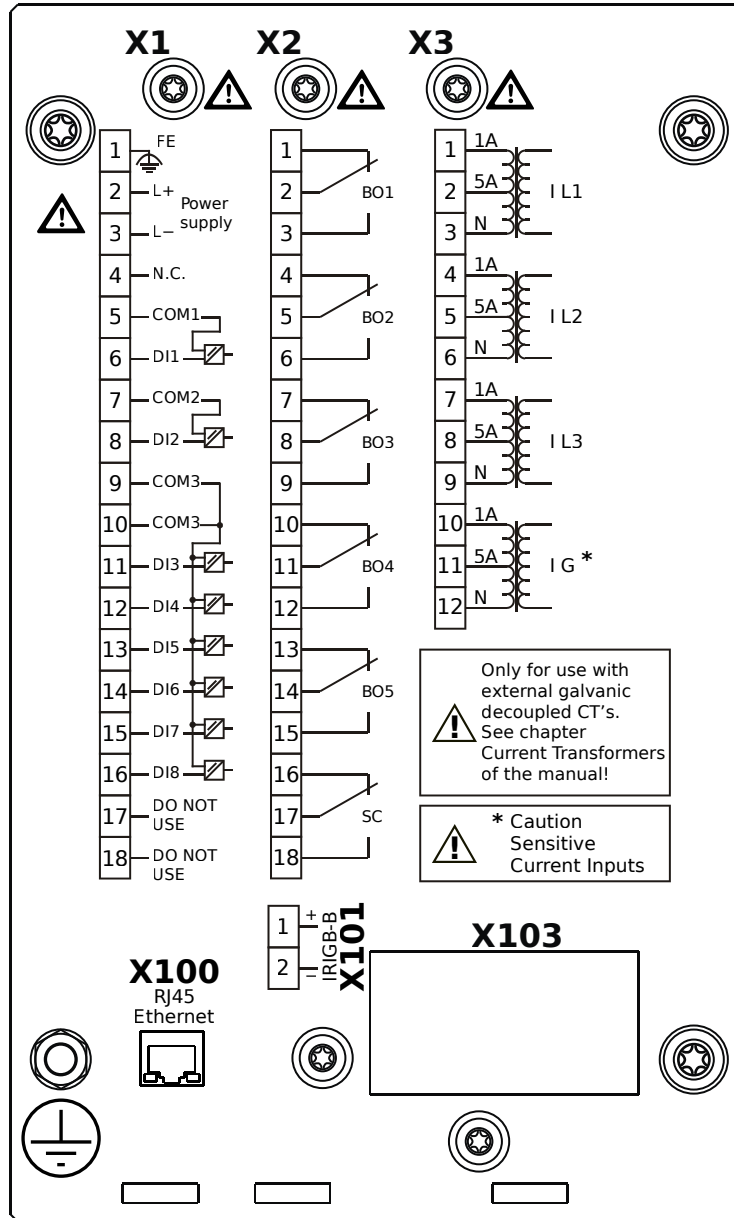
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

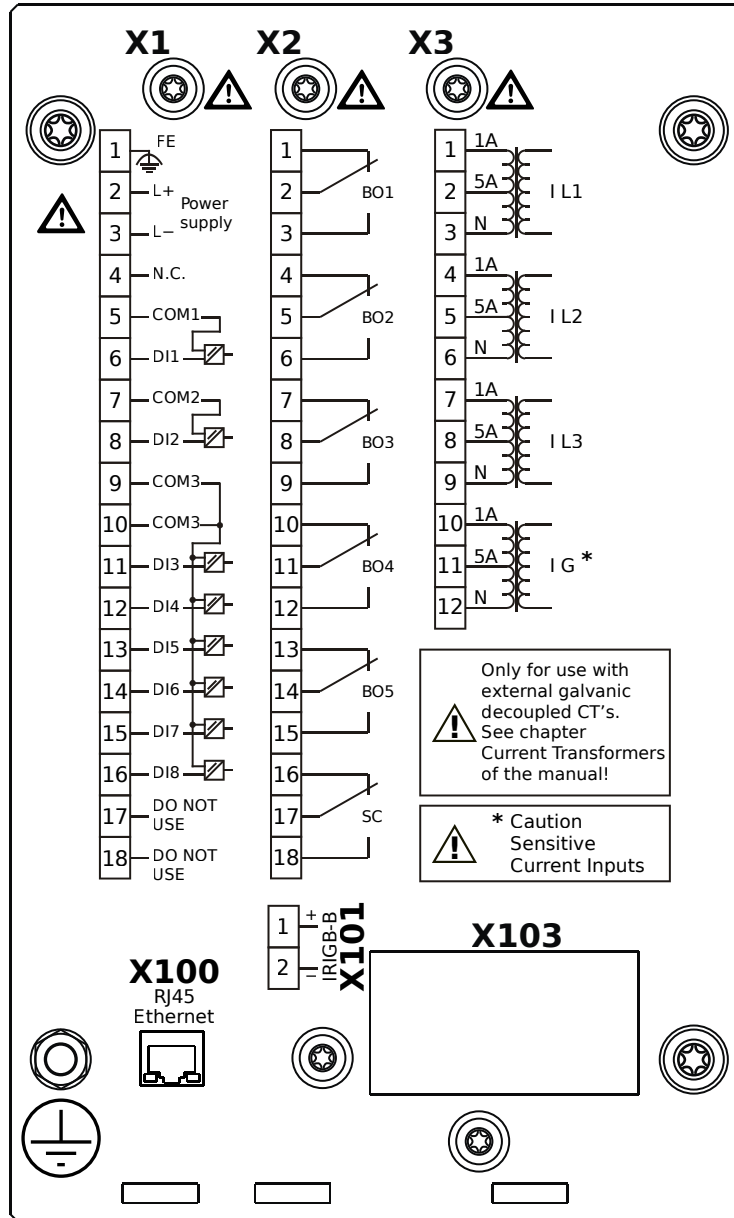
MRM4-2A1AHA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X

MRM4-2A1AHB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

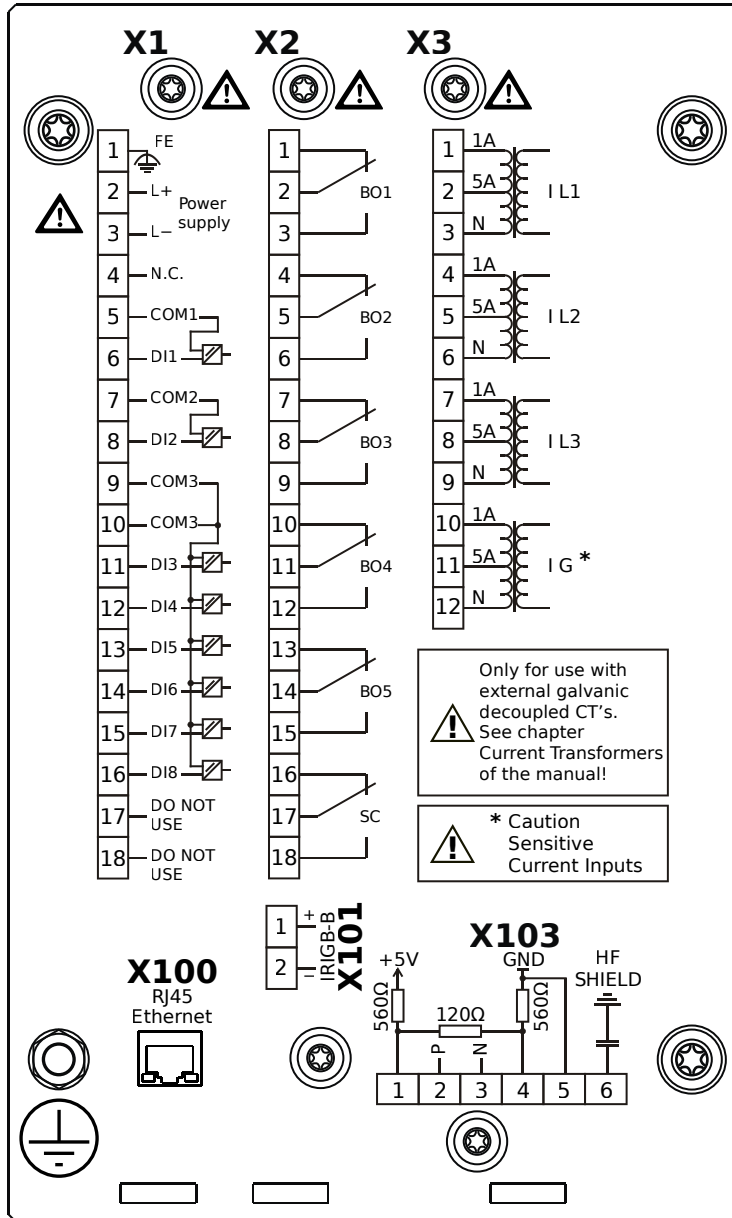
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

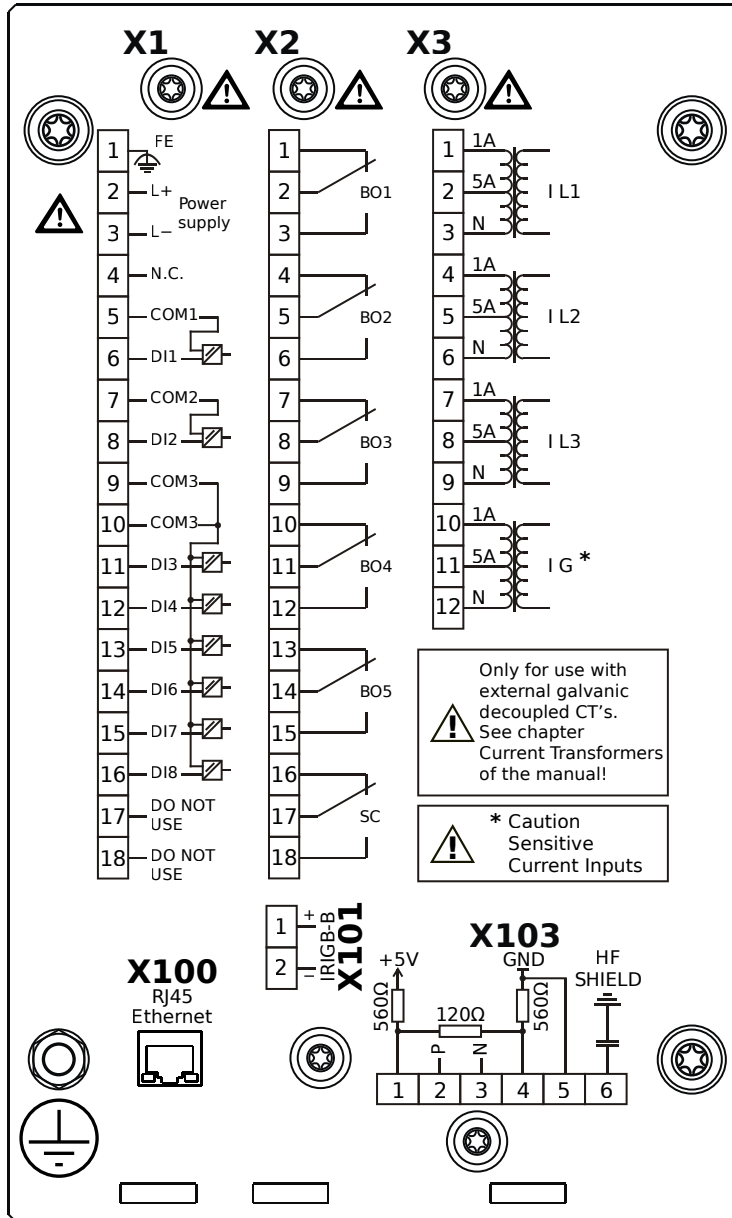
MRM4-2A1AIA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2A1AIB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

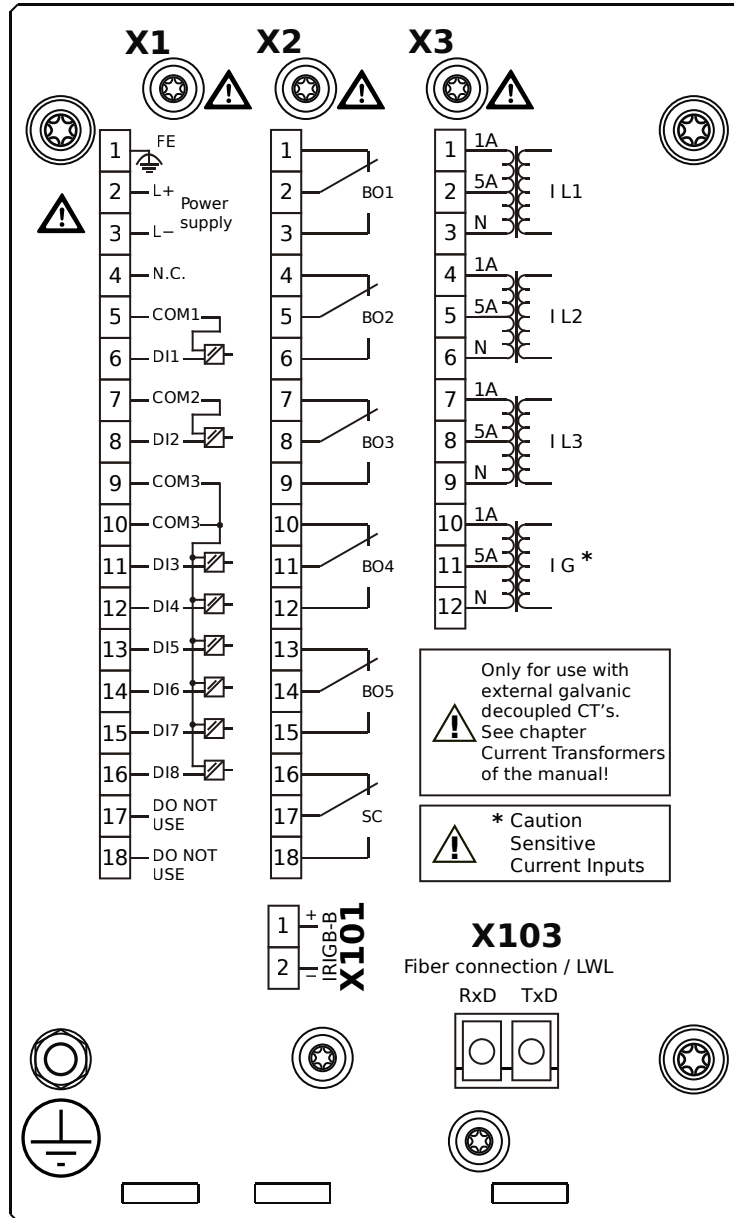
X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

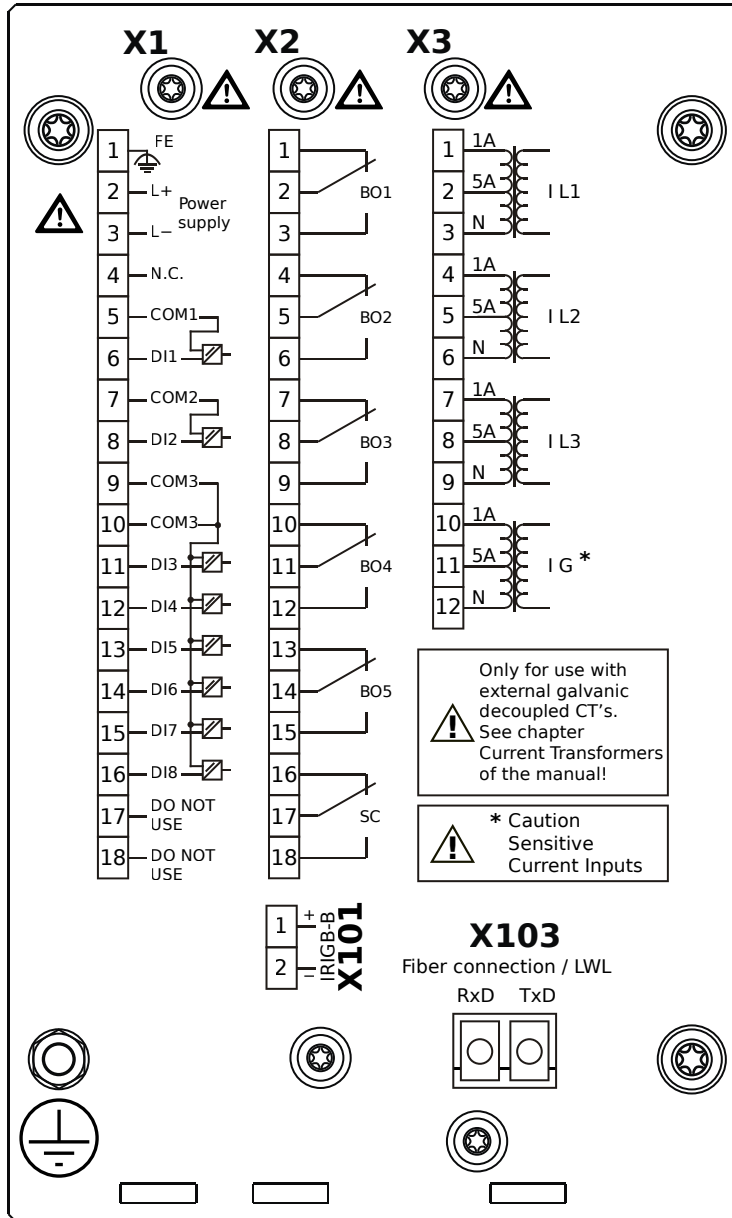
MRM4-2A1AKA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X
- X103** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2A1AKB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

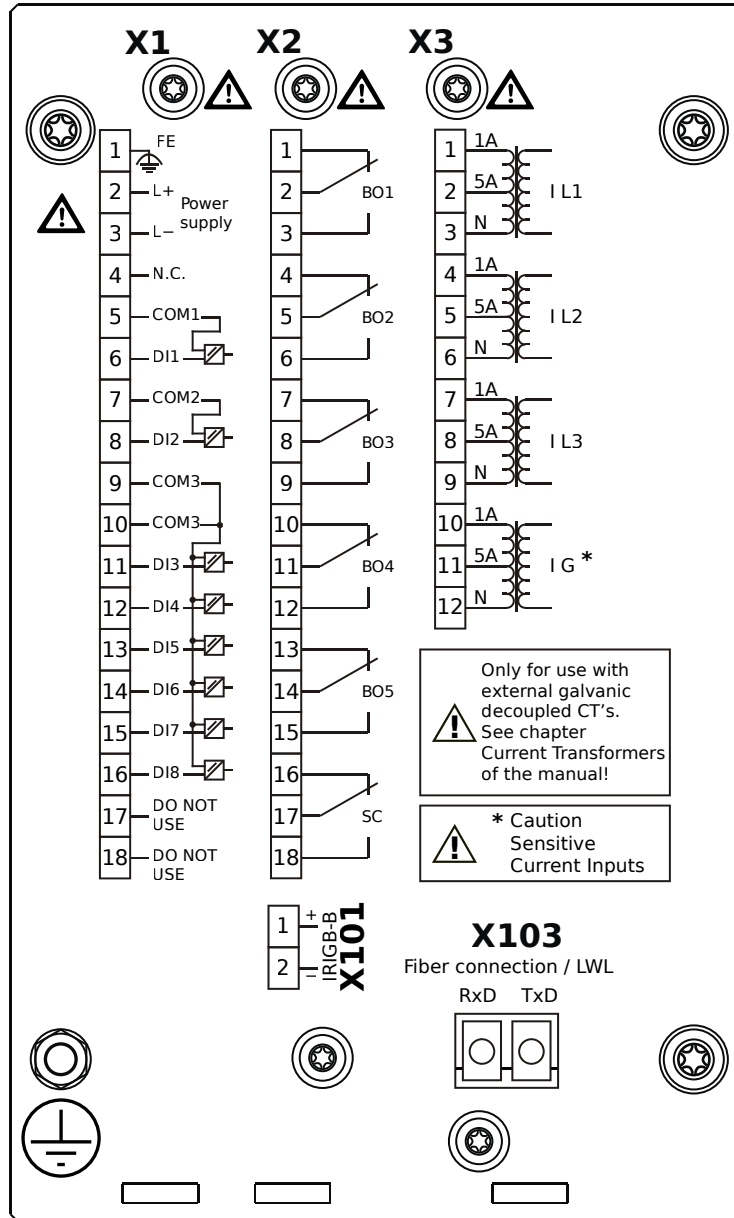
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

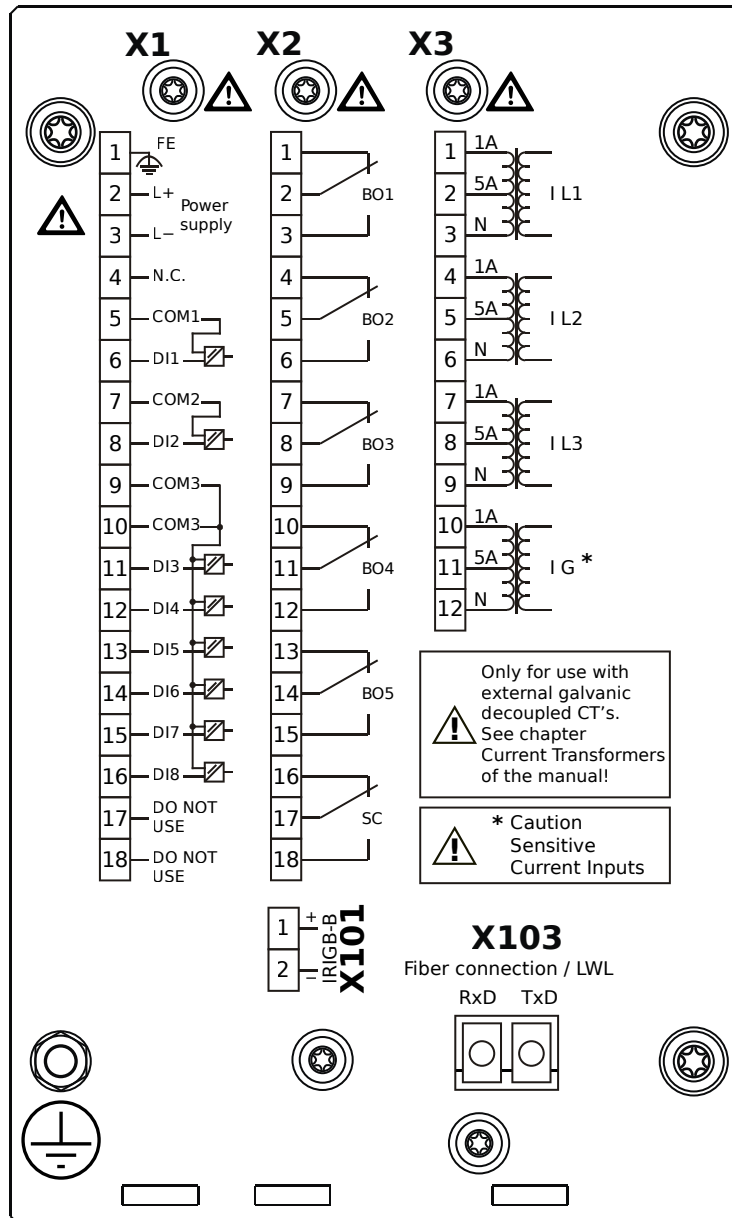
MRM4-2A1ALA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X
- X103** – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2A1ALB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

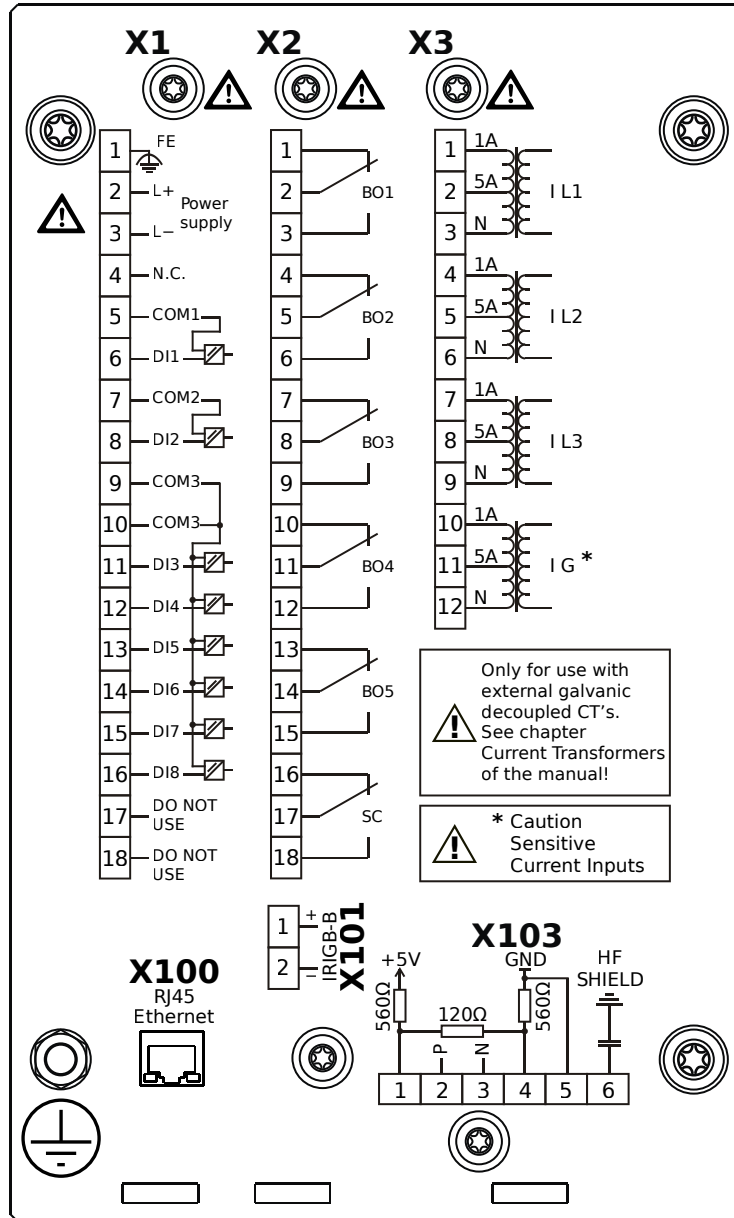
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

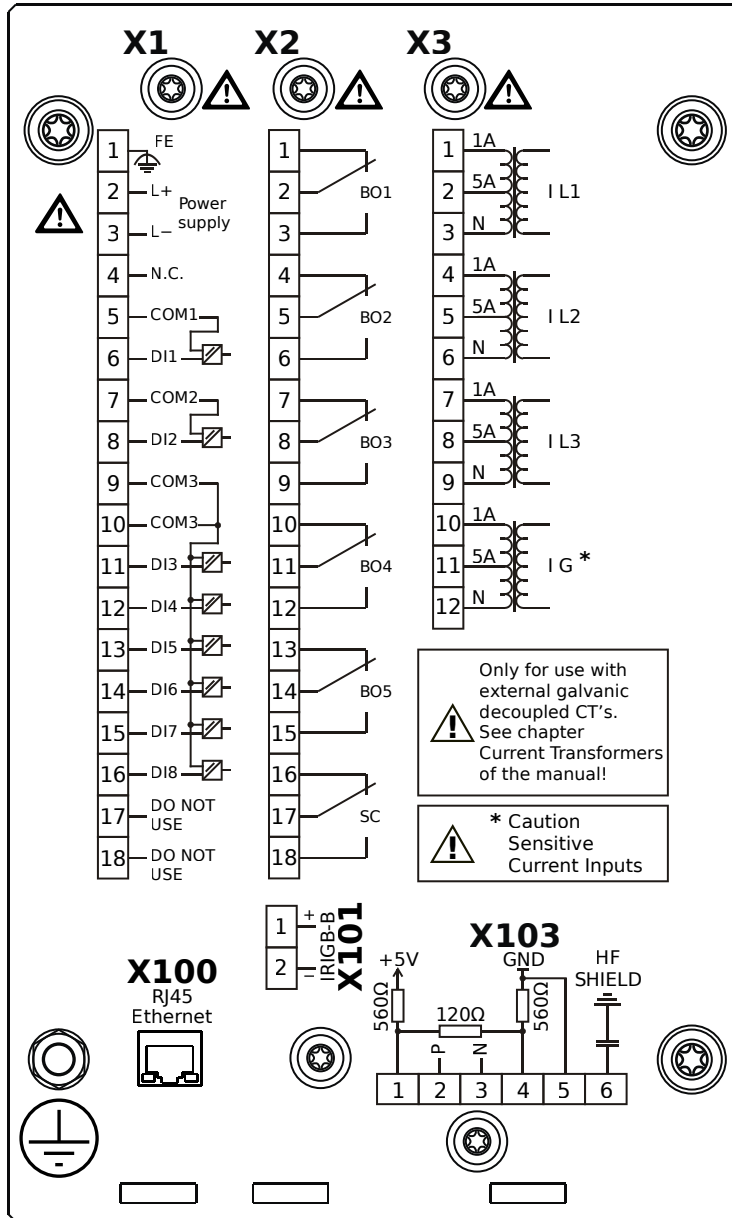
MRM4-2A1ATA



Housing B1, small display, door mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

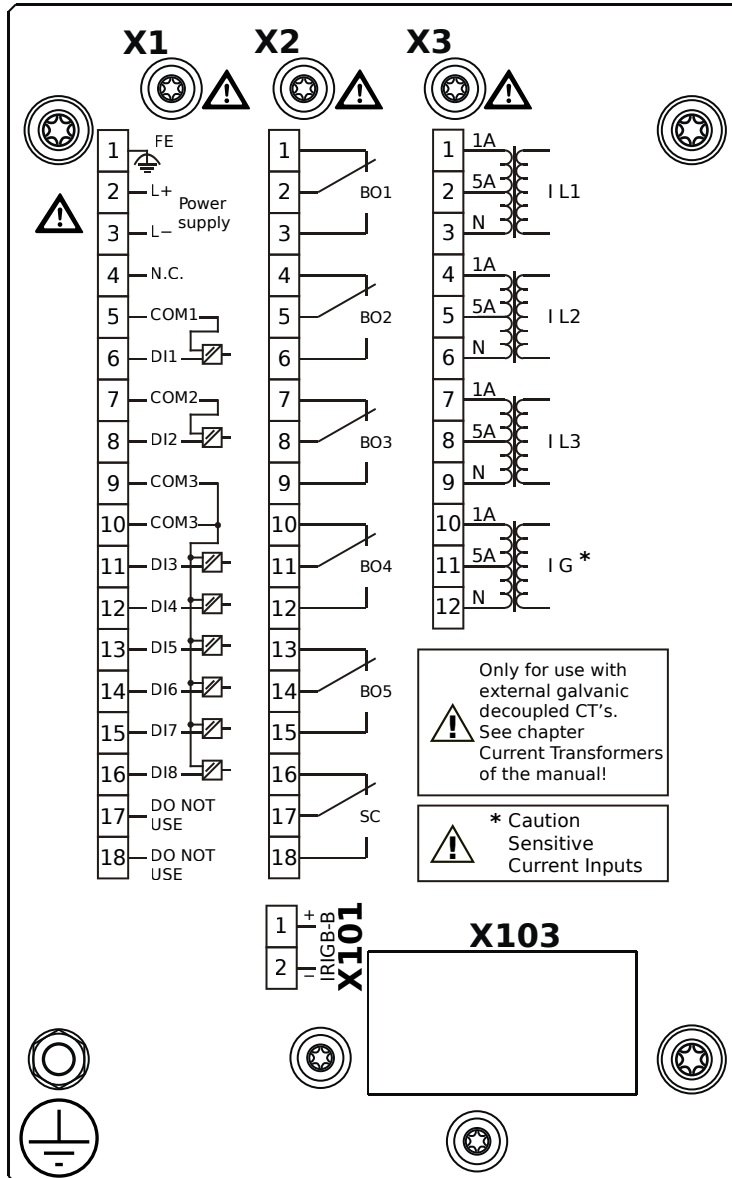
MRM4-2A1ATB



Housing B1, small display, door mounting

- + Conformal Coating (for installations in harsh environment)
- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

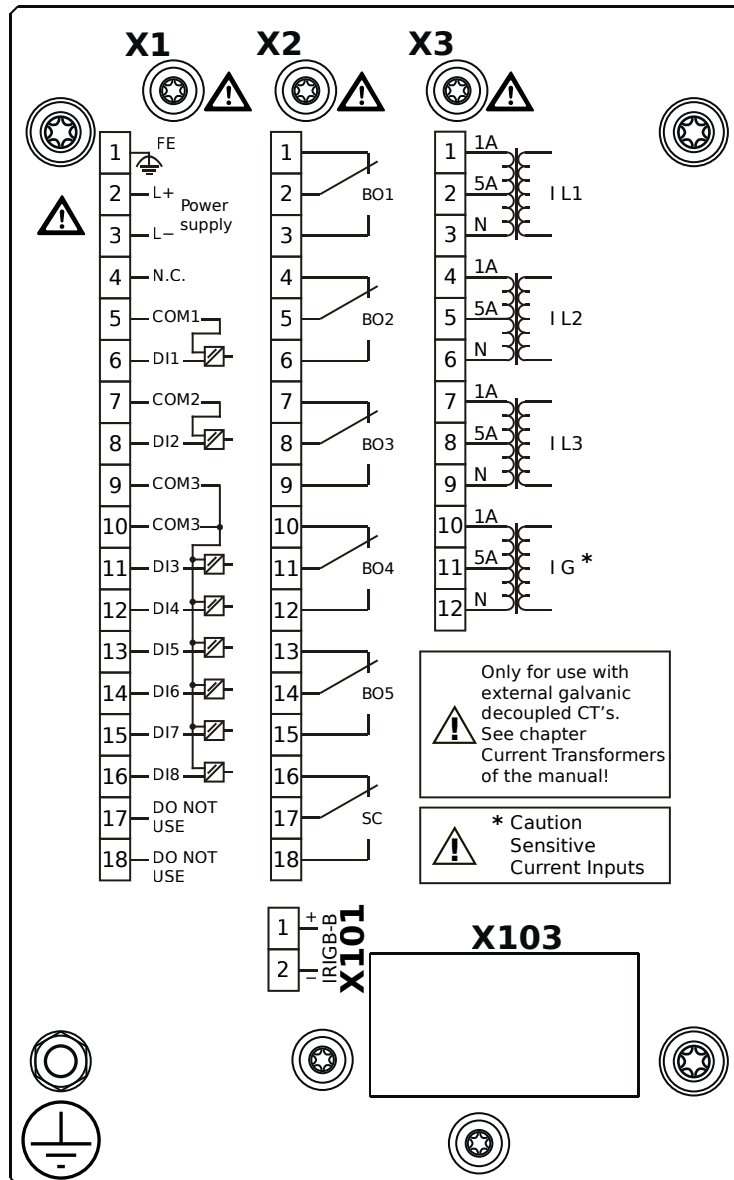
MRM4-2A1BAA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X

MRM4-2A1BAB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

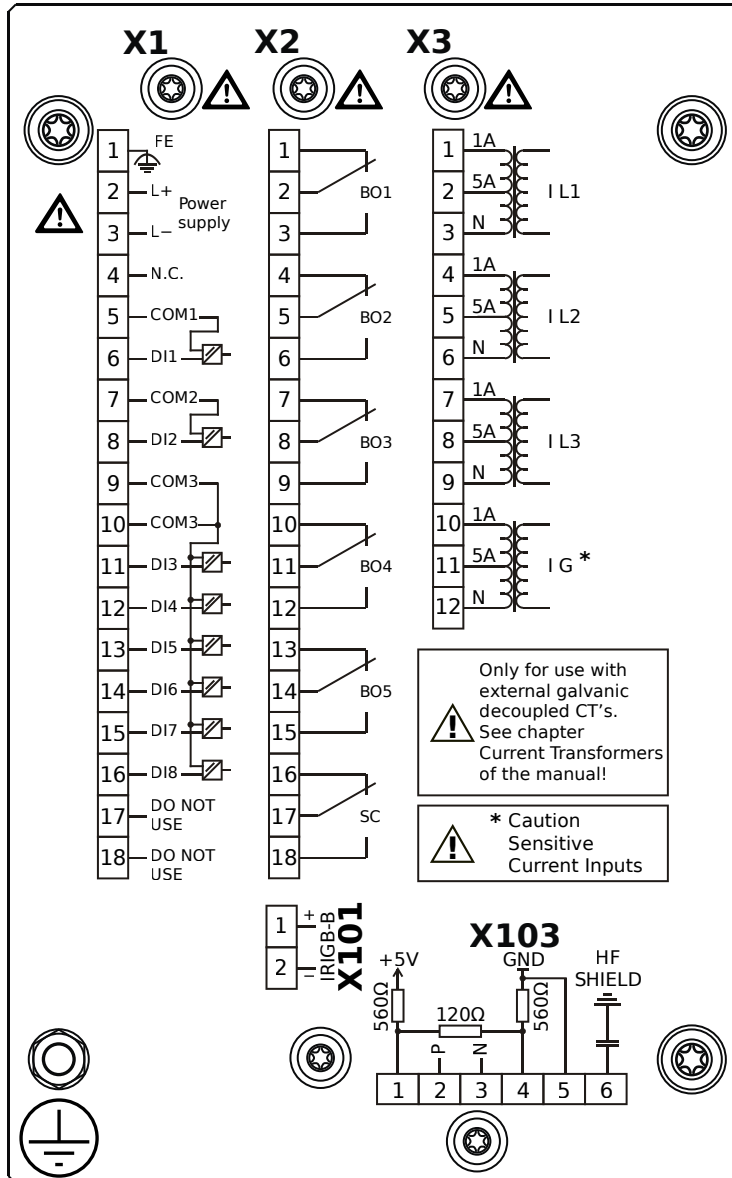
X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

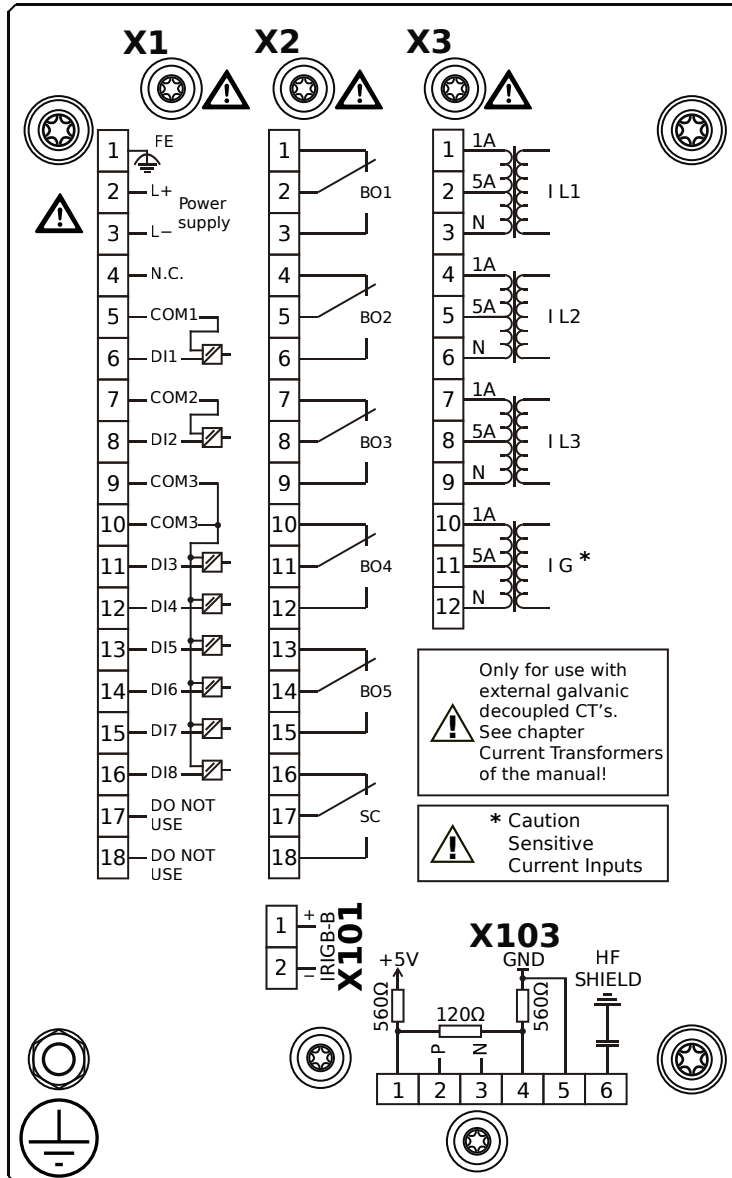
MRM4-2A1BBA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

MRM4-2A1BBB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

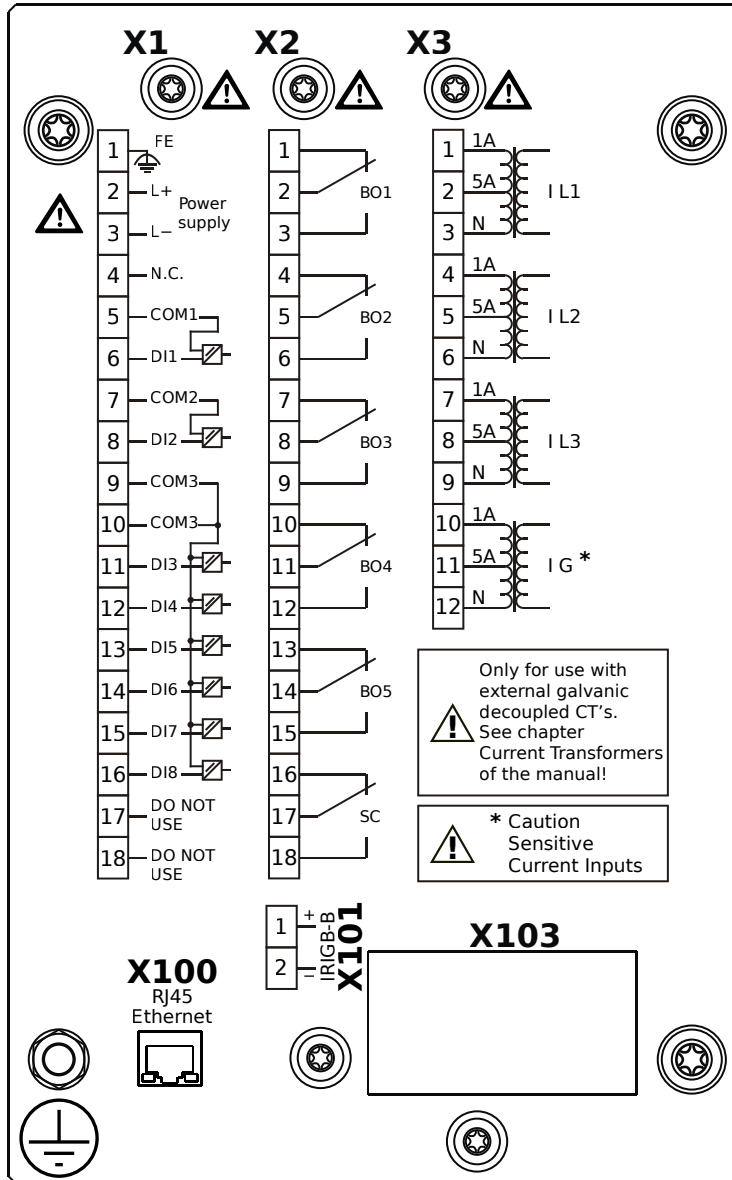
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

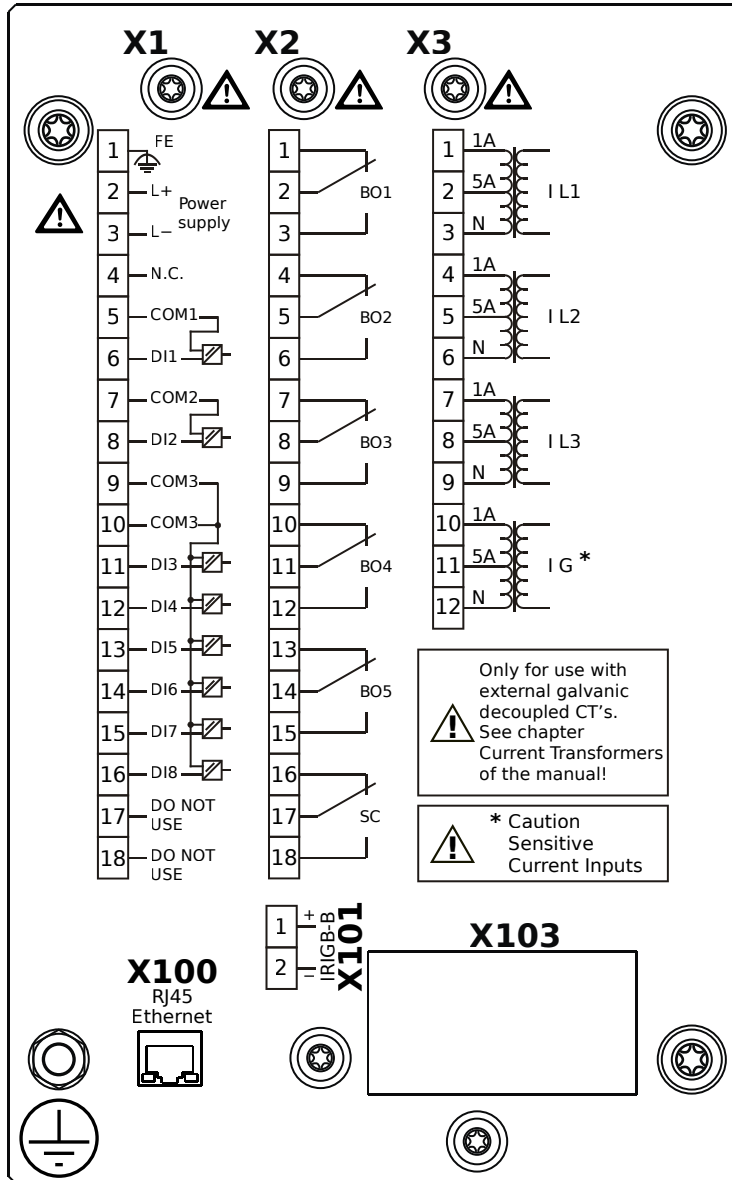
MRM4-2A1BCA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X

MRM4-2A1BCB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

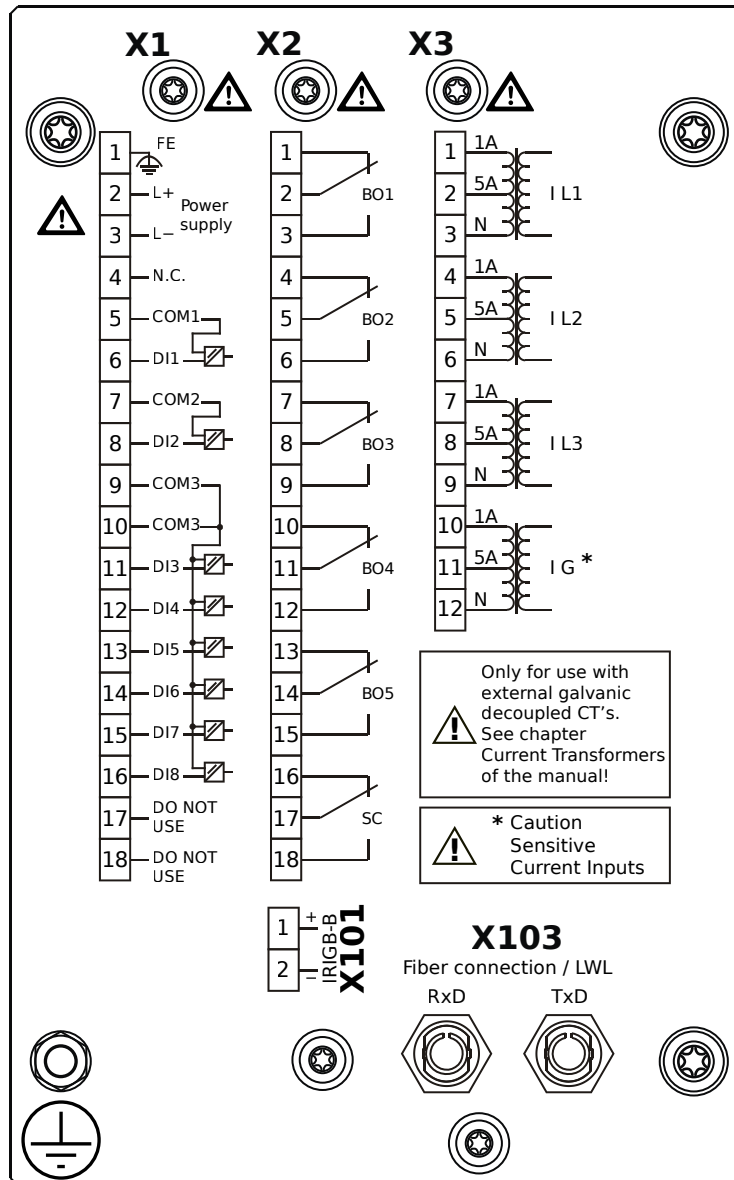
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

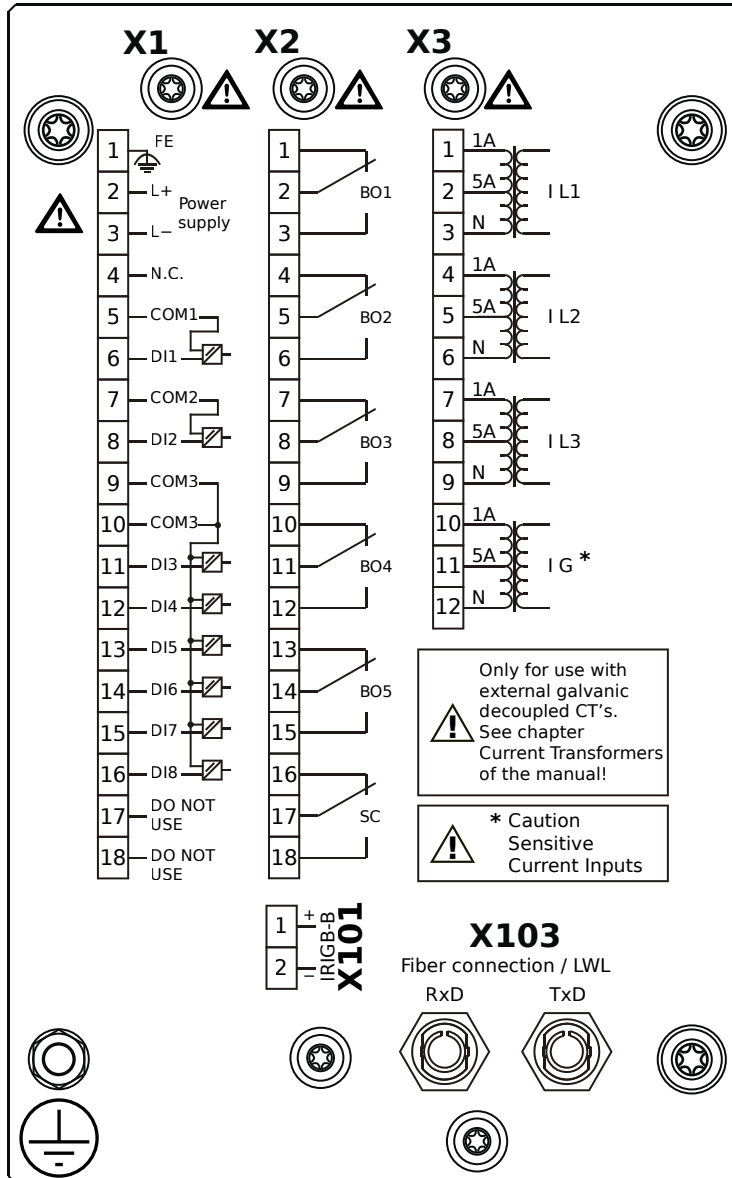
MRM4-2A1BDA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X
- X103** – Profibus-DP, Fiber optics interface, ST Connector

MRM4-2A1BDB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

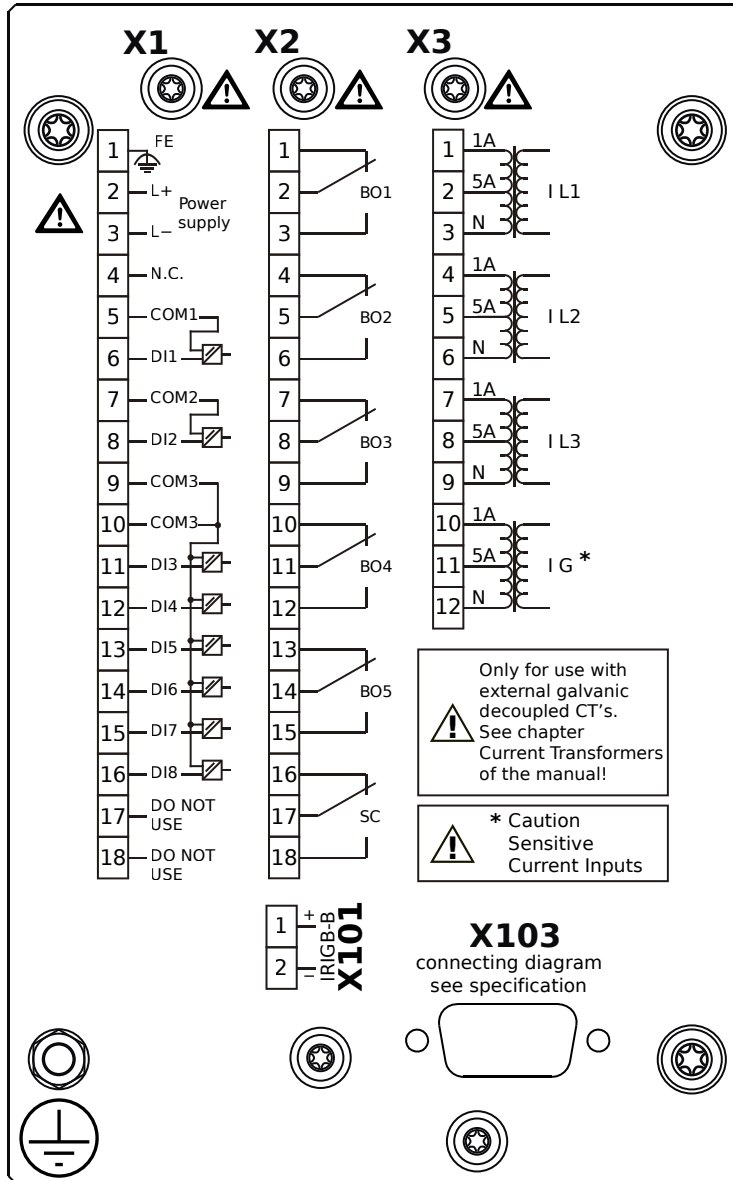
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Profibus-DP, Fiber optics interface, ST Connector

MRM4-2A1BEA



Housing B1, small display, 19" rack mounting

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

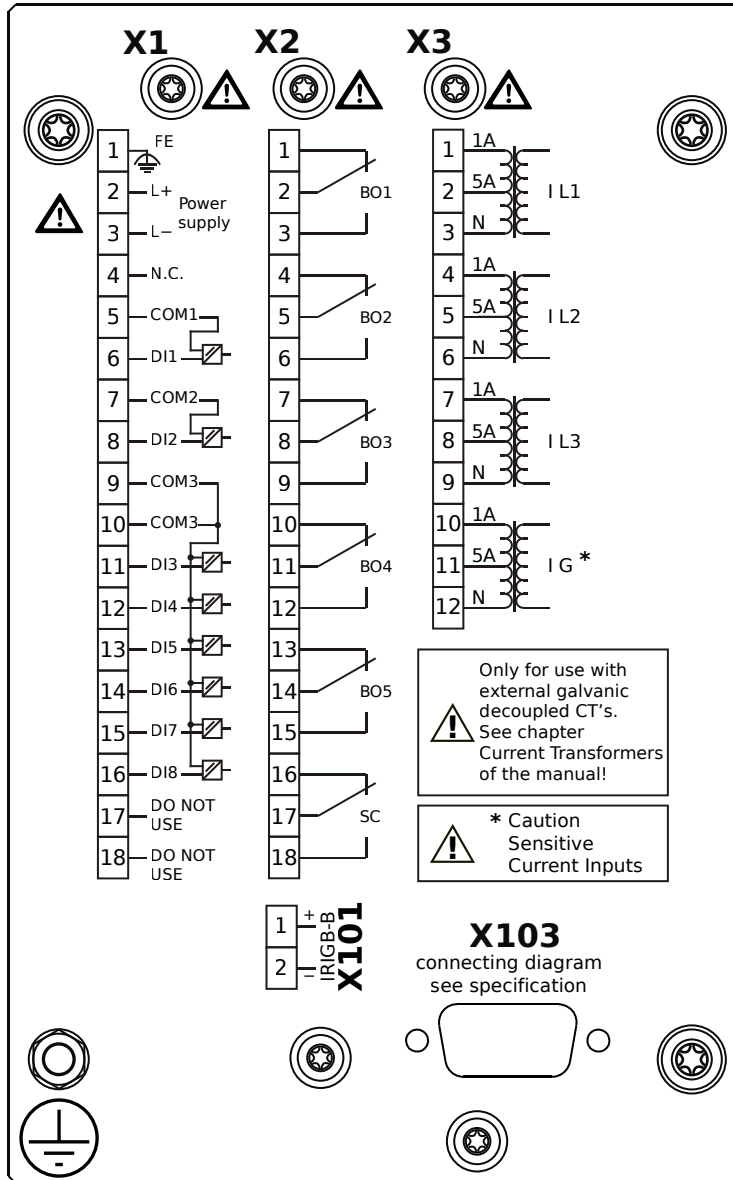
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Profibus-DP, RS485, D-SUB

MRM4-2A1BEB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

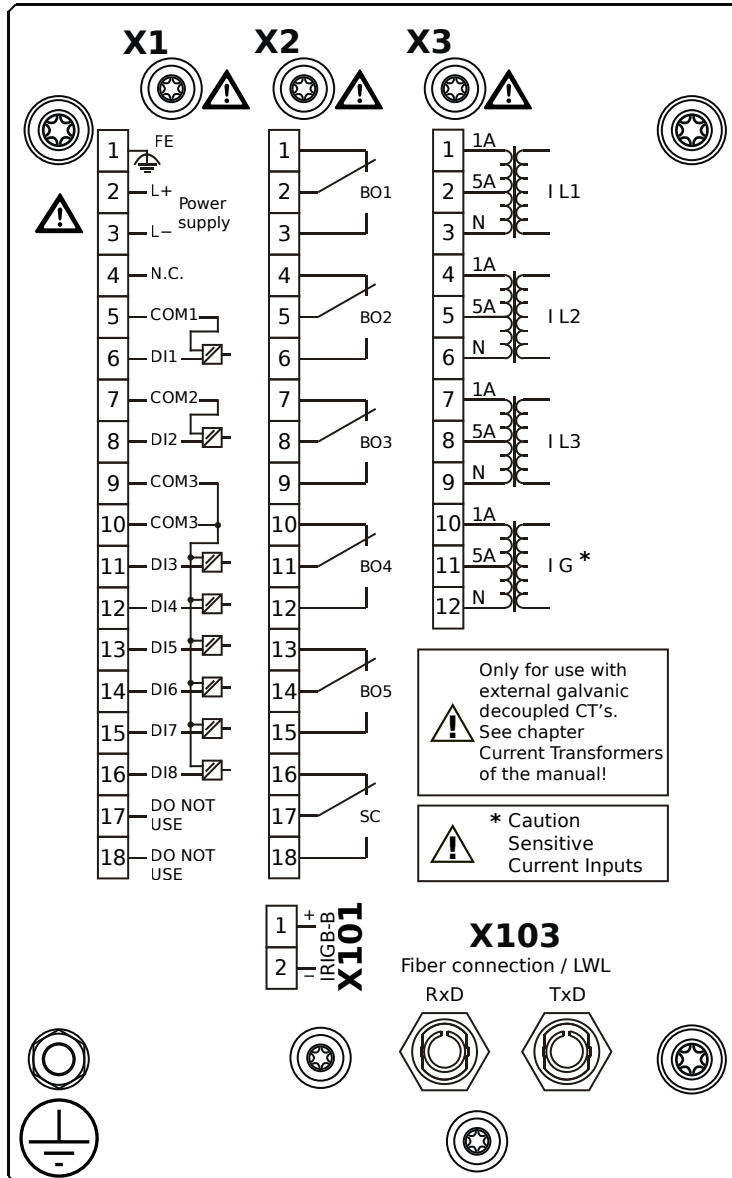
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Profibus-DP, RS485, D-SUB

MRM4-2A1BFA



Housing B1, small display, 19" rack mounting

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

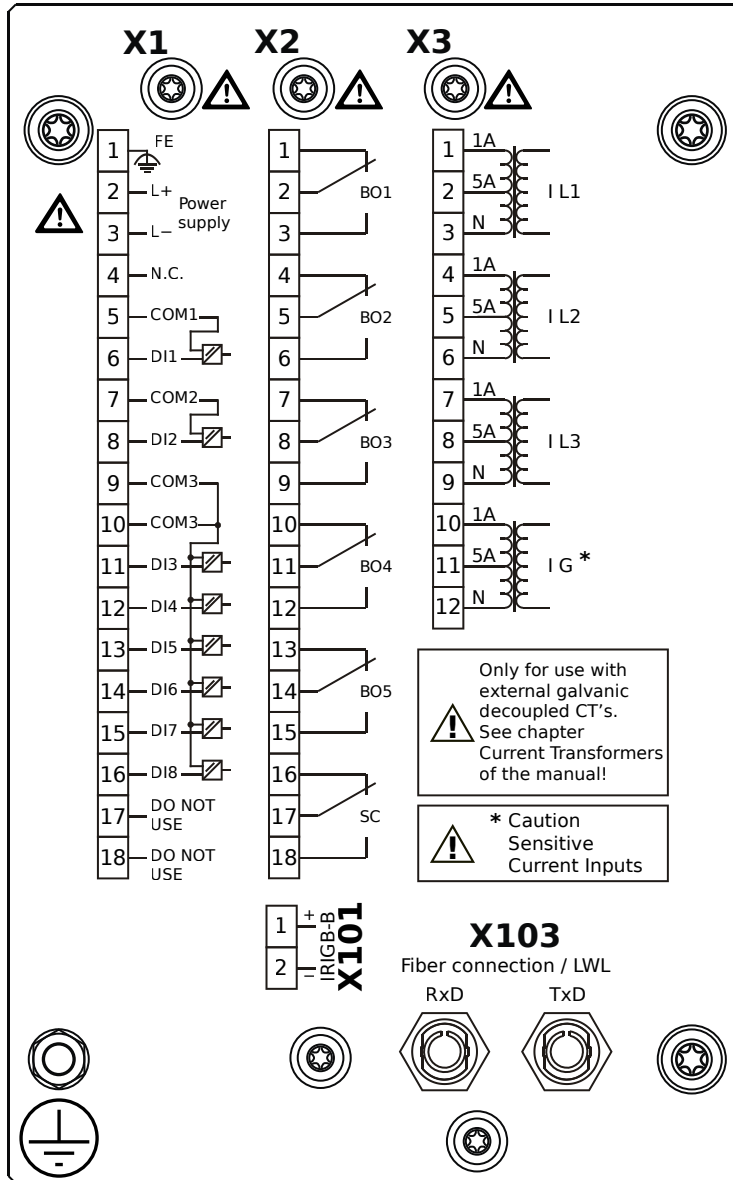
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

MRM4-2A1BFB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

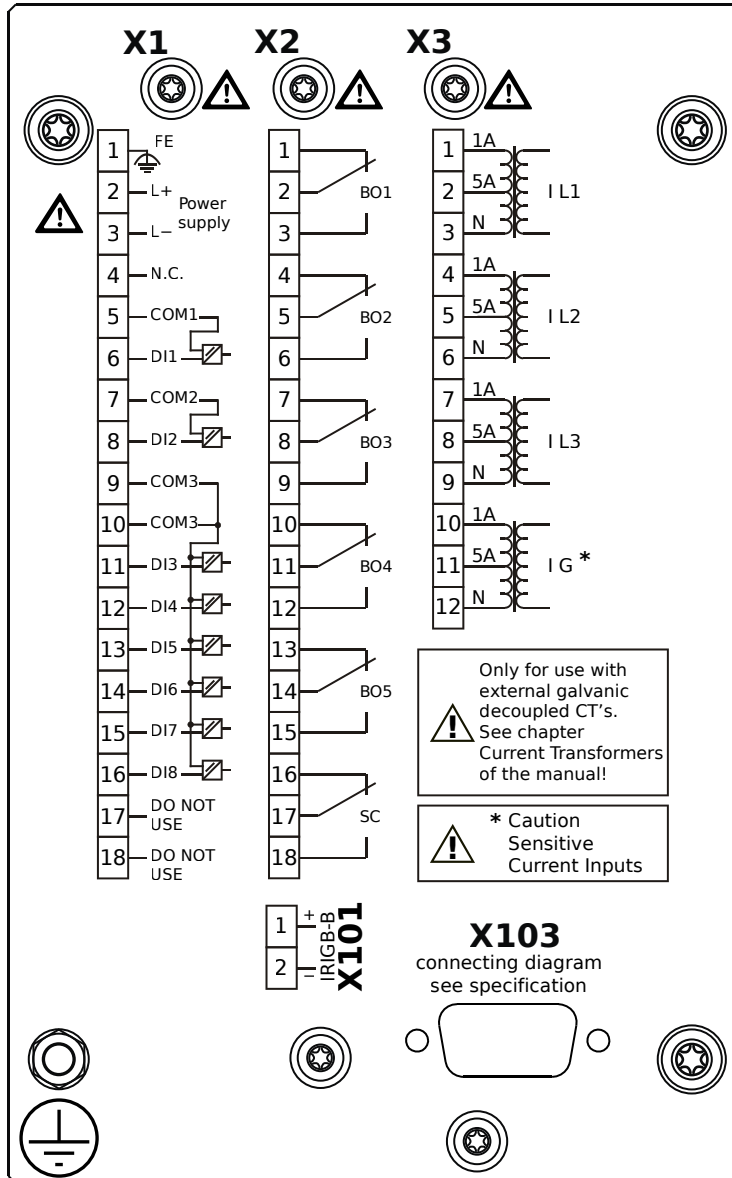
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

MRM4-2A1BGA



Housing B1, small display, 19" rack mounting

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

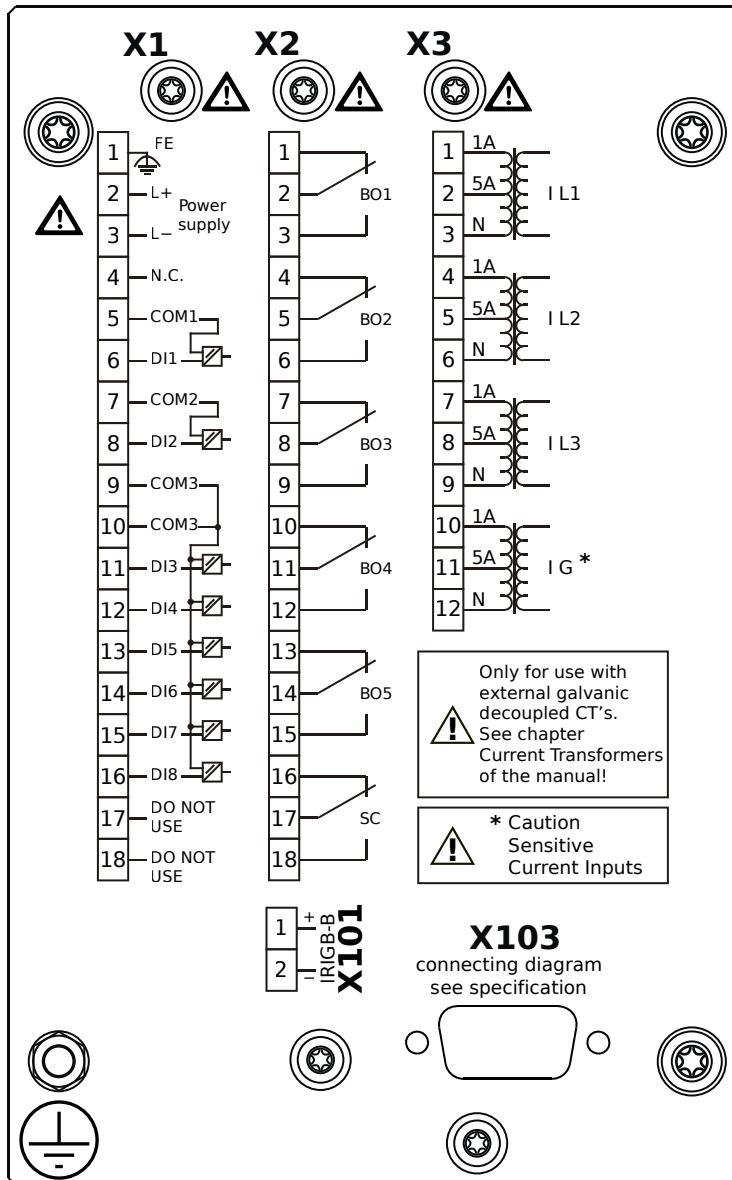
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

MRM4-2A1BGB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

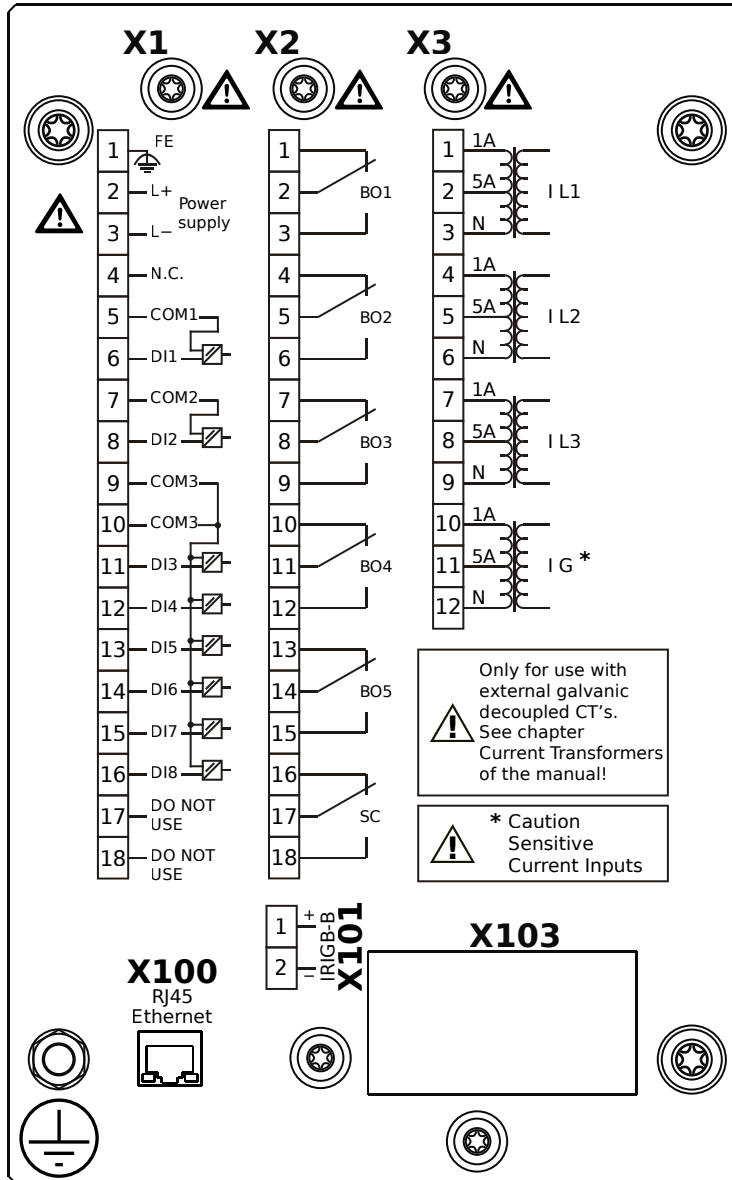
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

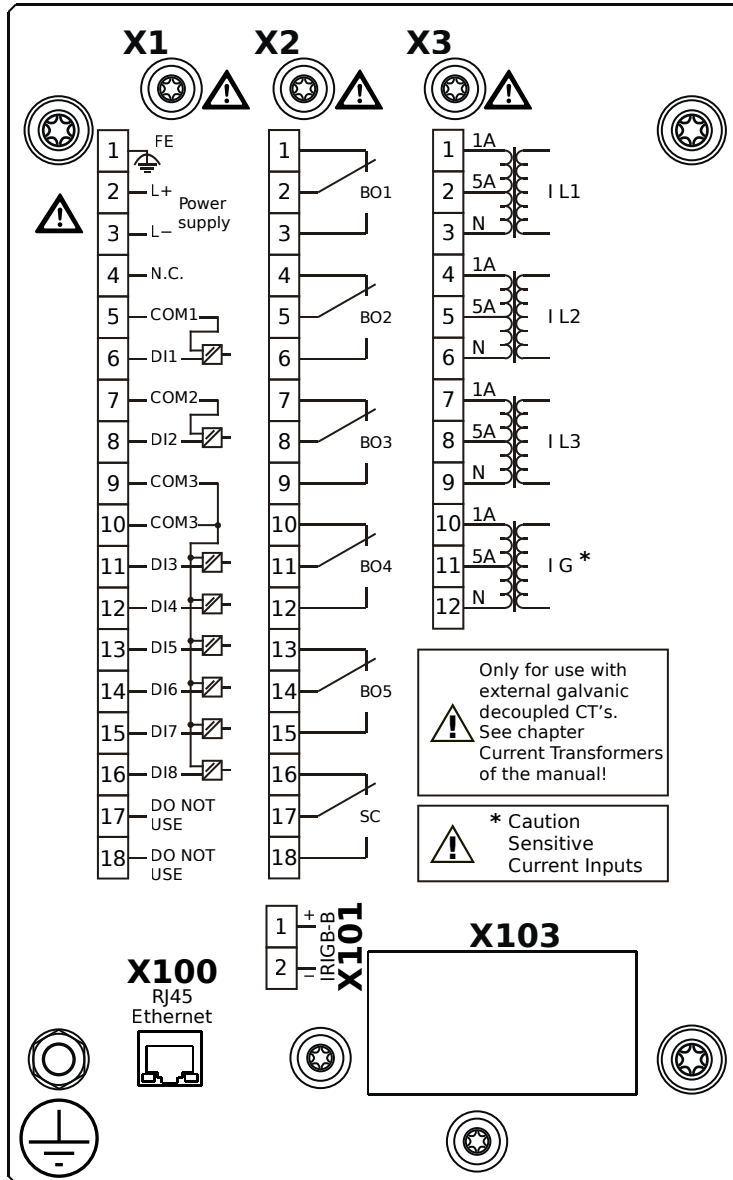
MRM4-2A1BHA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X

MRM4-2A1BHB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

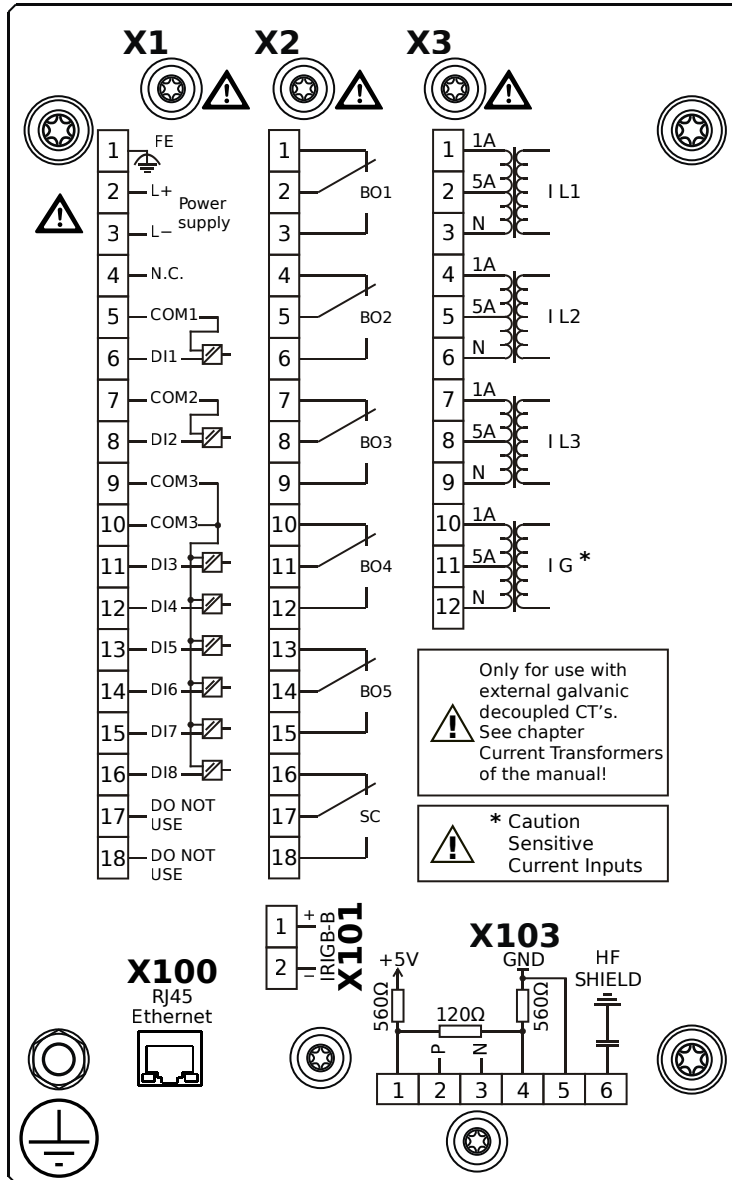
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

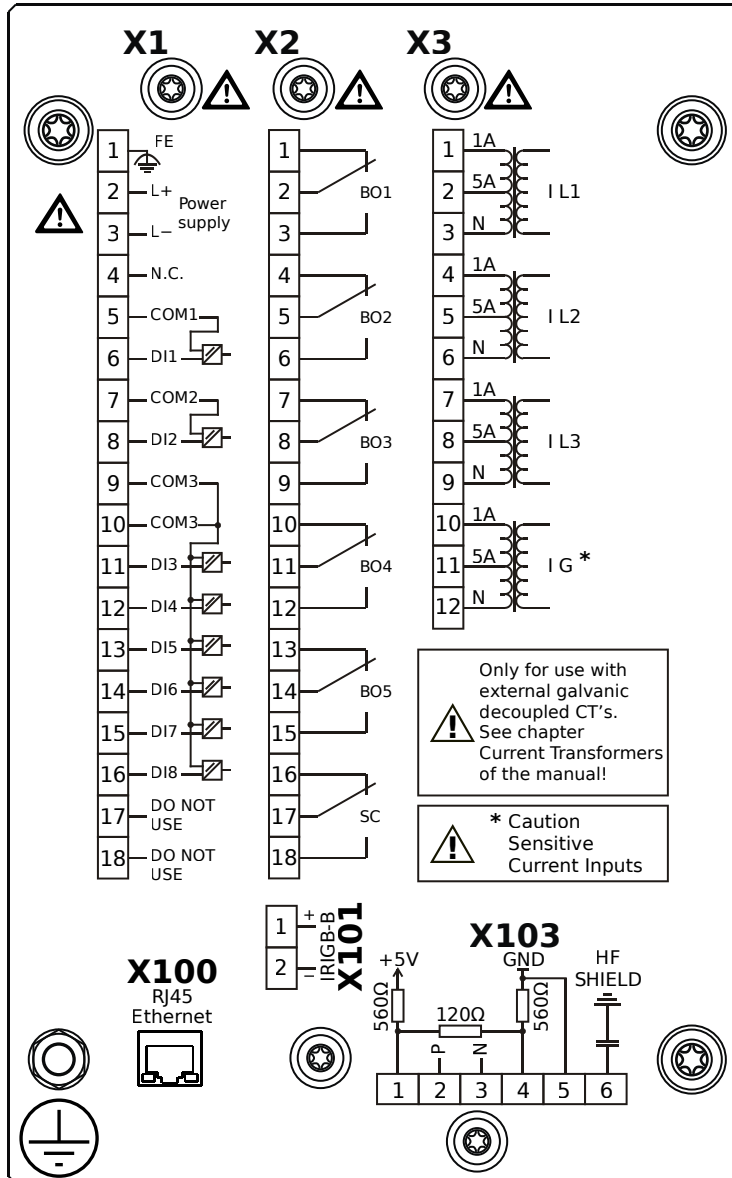
MRM4-2A1BIA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2A1BIB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

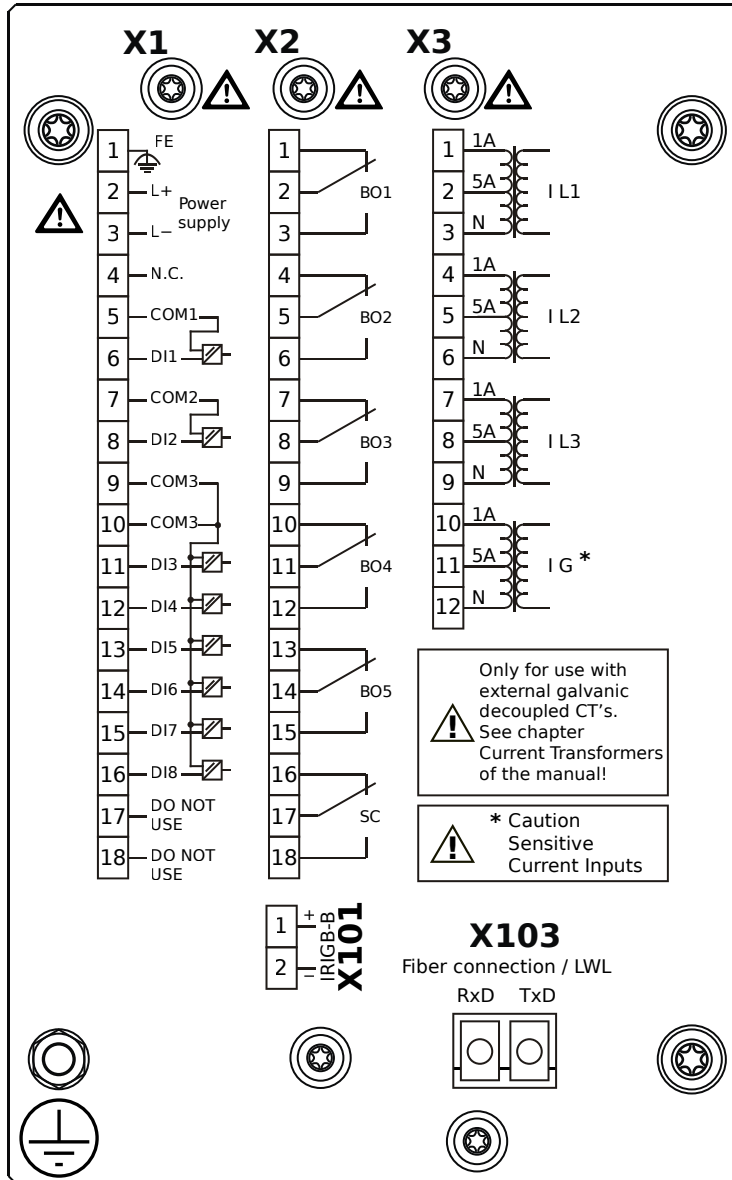
X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2A1BKA



Housing B1, small display, 19" rack mounting

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

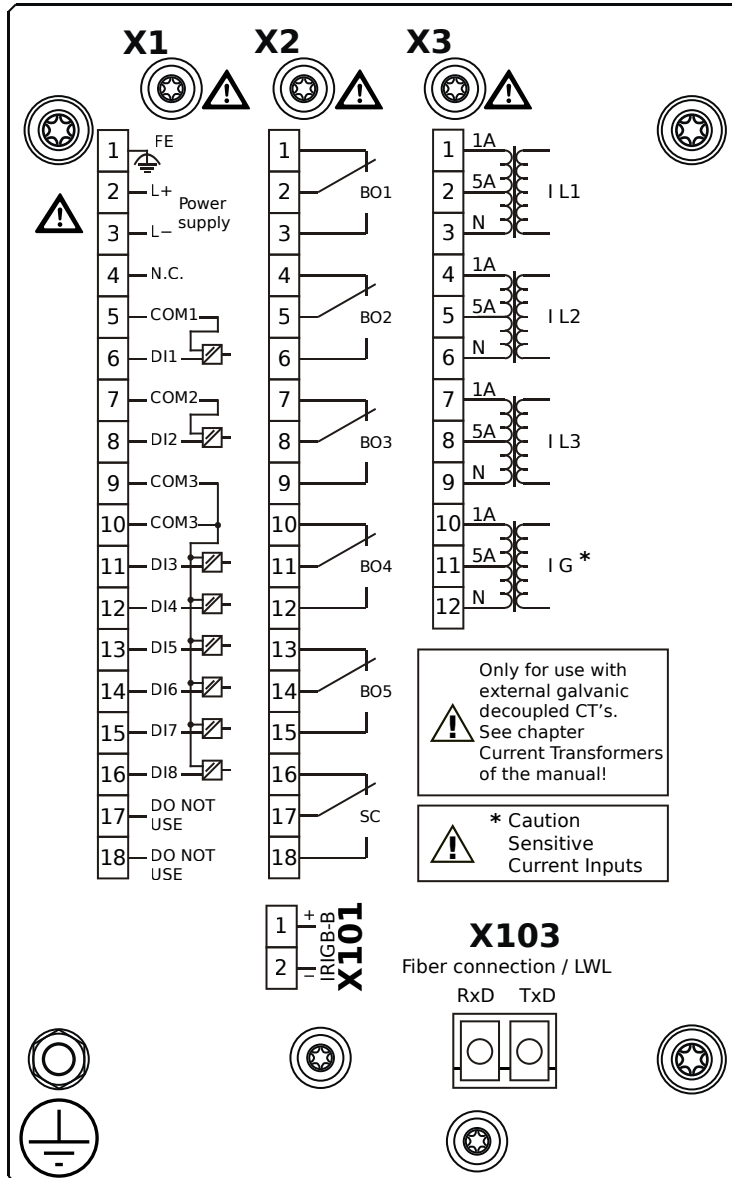
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2A1BKB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

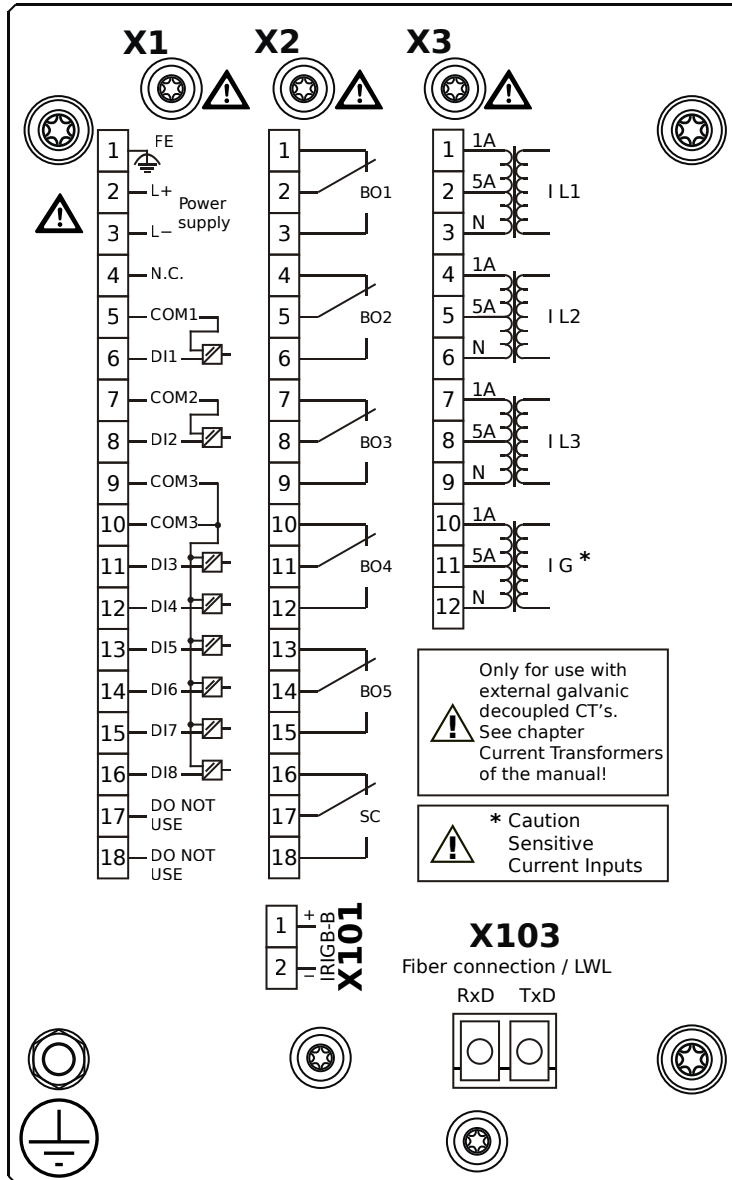
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

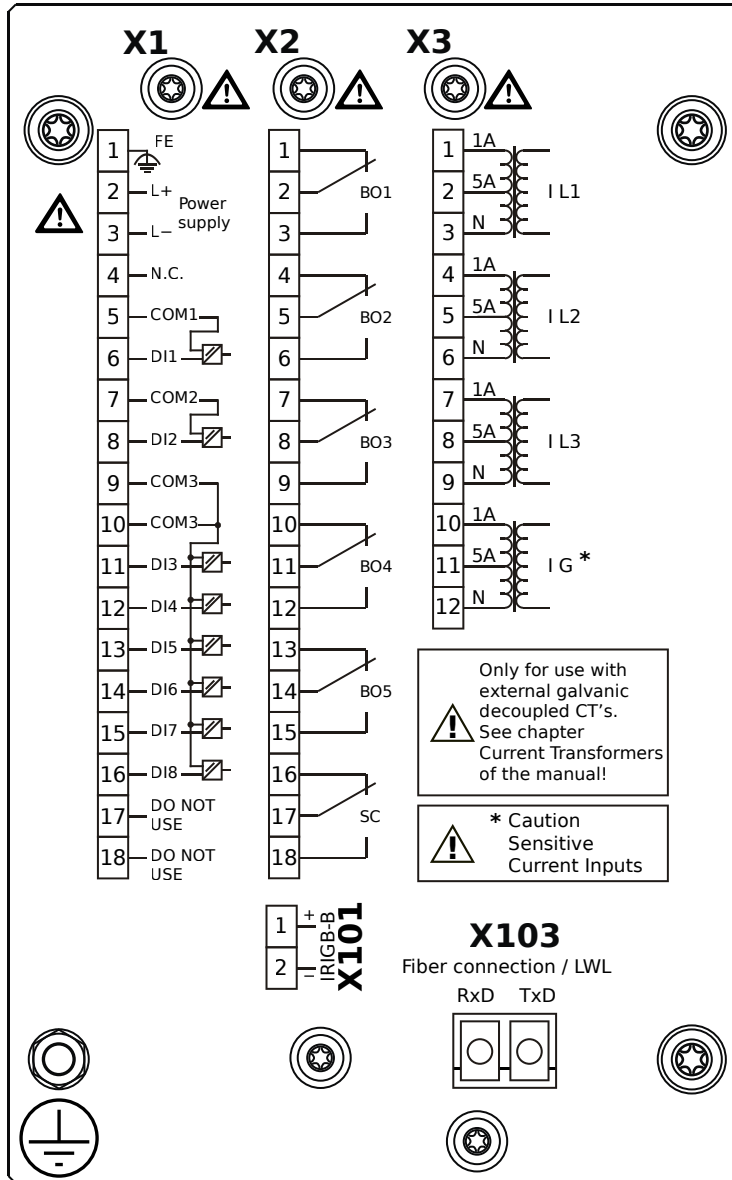
MRM4-2A1BLA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – IRIG-B00X
- X103** – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2A1BLB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

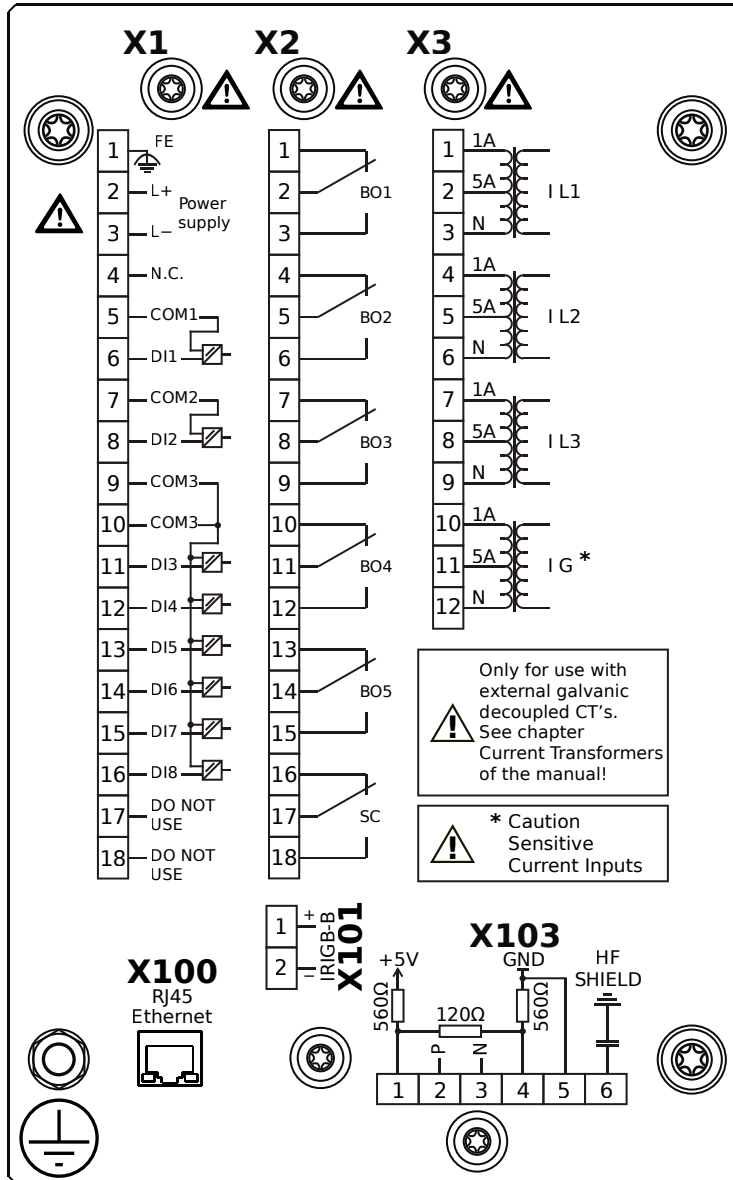
X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – IRIG-B00X

X103 – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

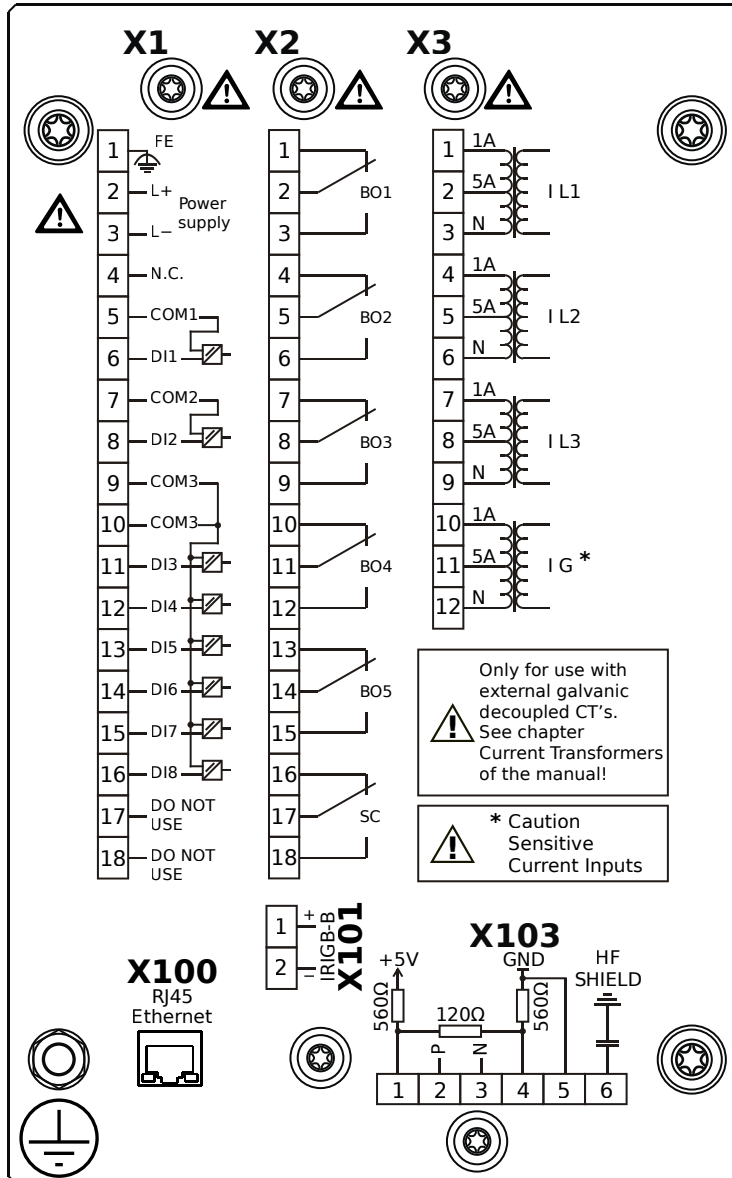
MRM4-2A1BTA



Housing B1, small display, 19" rack mounting

- X1** – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs
- X2** – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – IRIG-B00X
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2A1BTB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI8-X1: Wide-range power supply unit, incl. 2 non-grouped digital inputs and 6 grouped digital inputs

X2 – OR5: Assembly Group with 5 Output Relays + 1 Supervision Contact

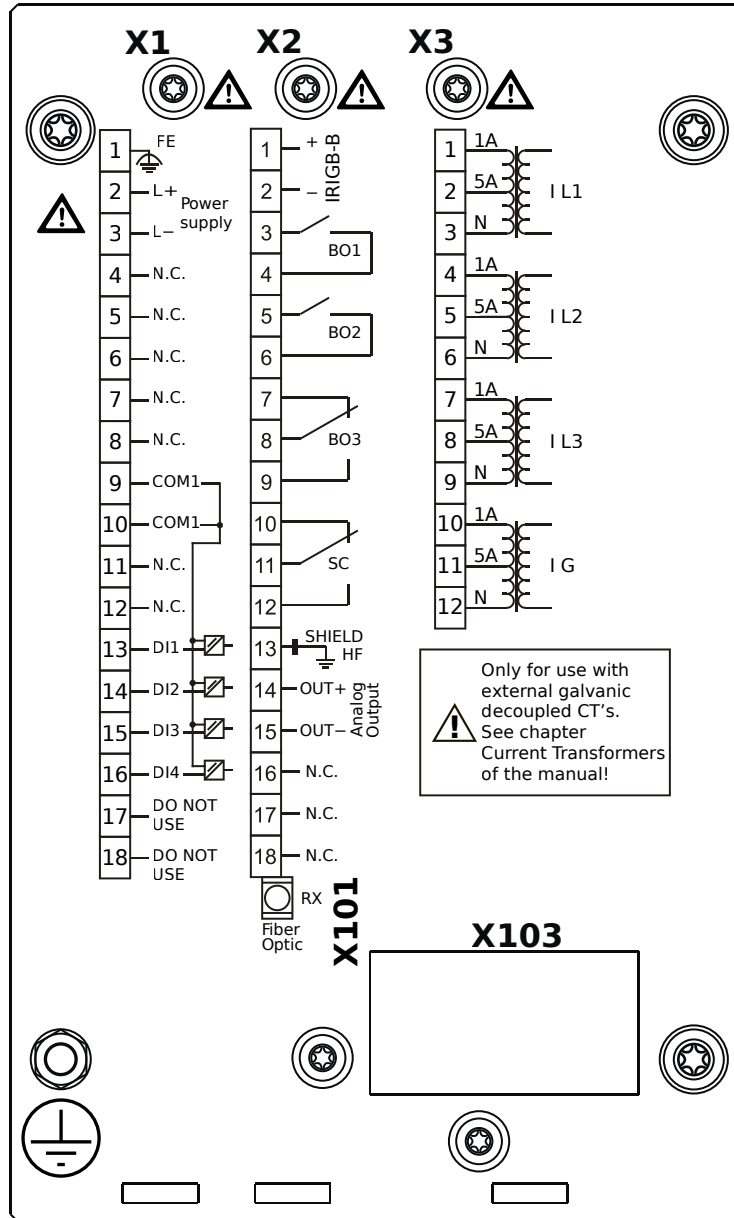
X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – IRIG-B00X

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2B0AAA



Housing B1, small display, door mounting

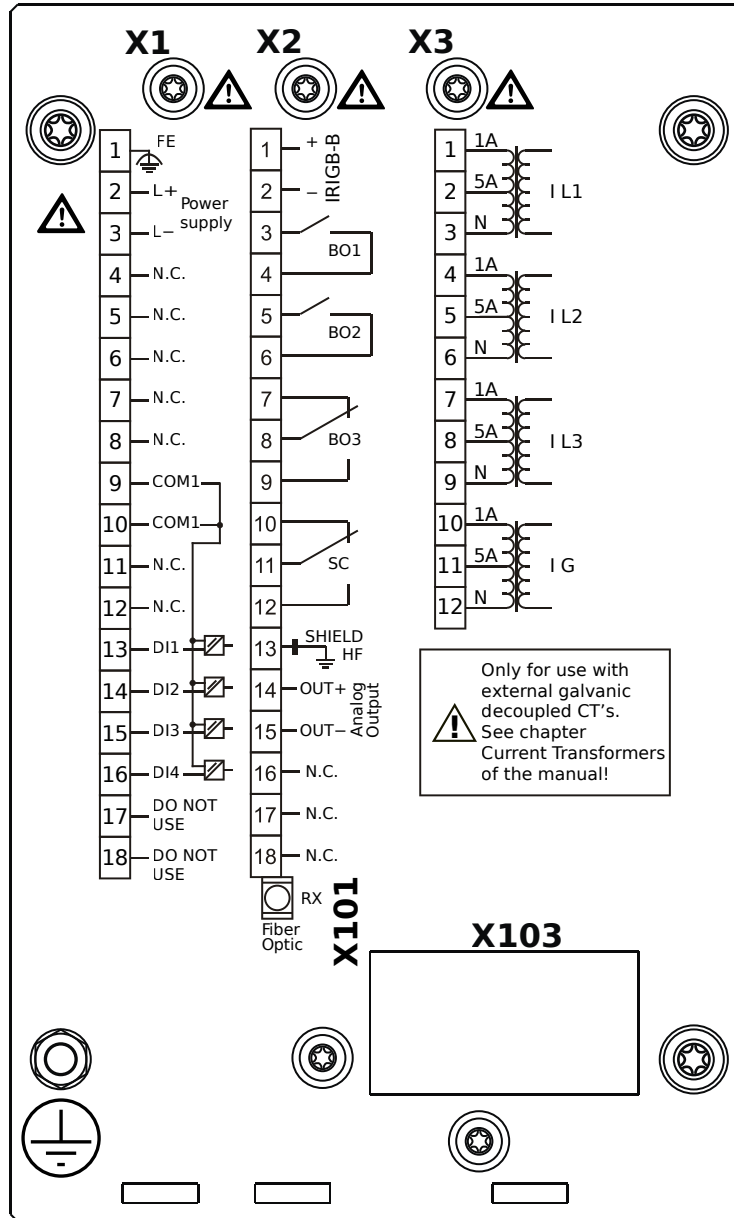
X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B0AAB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

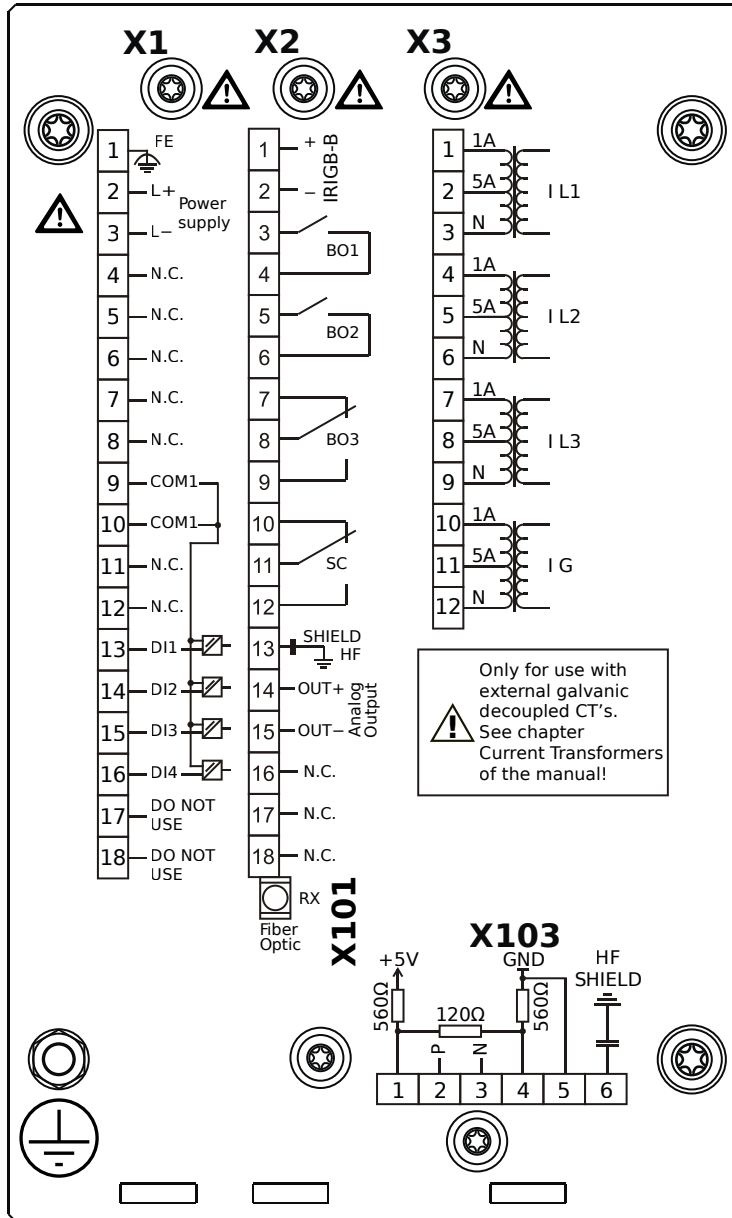
X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

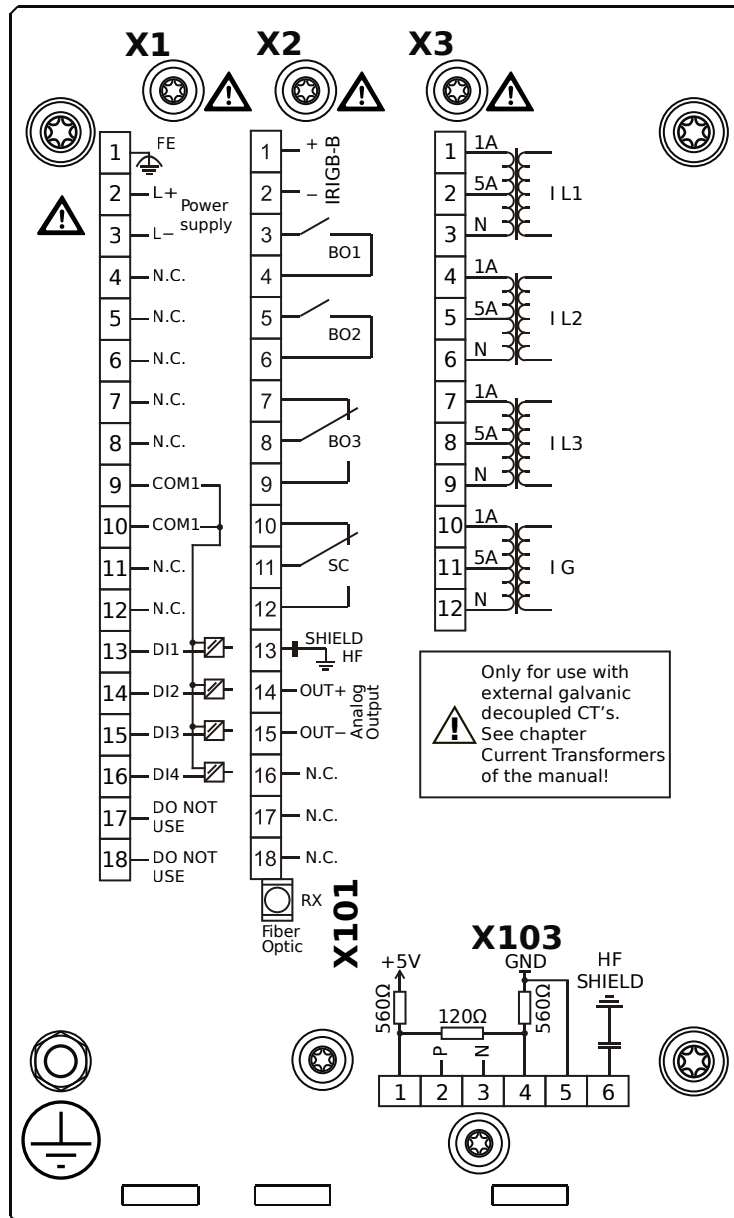
MRM4-2B0ABA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

MRM4-2B0ABB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

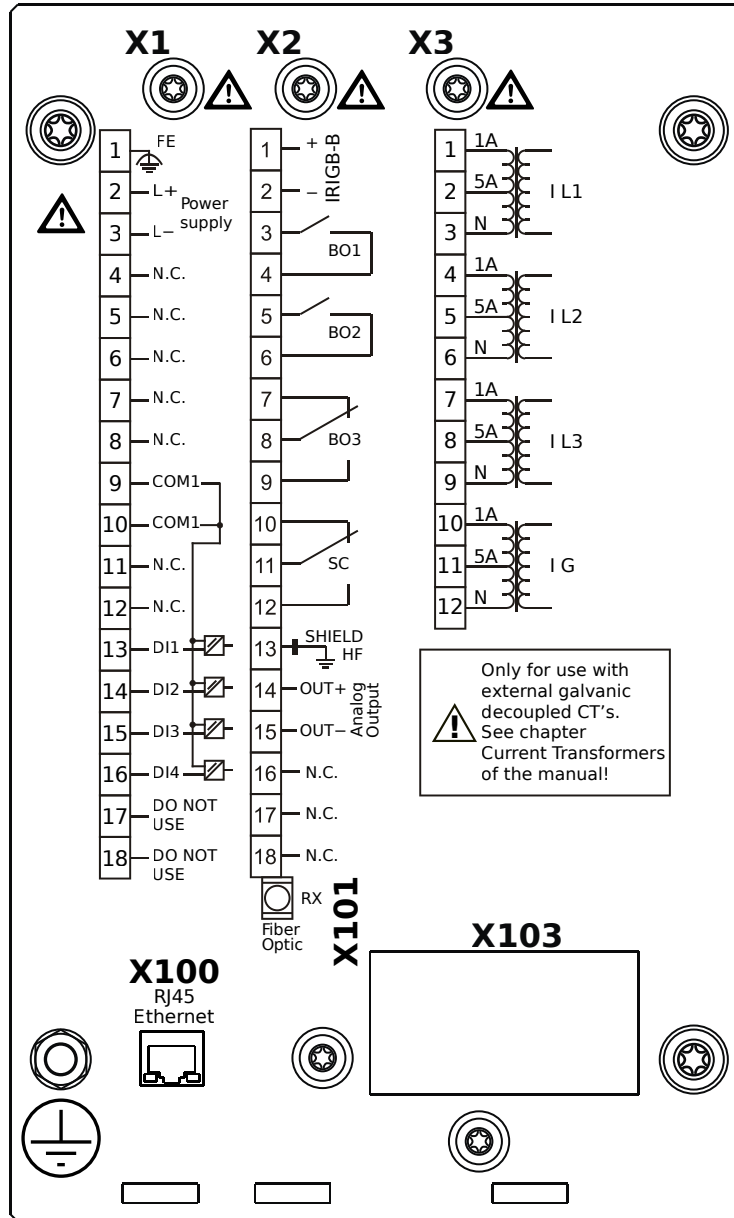
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

MRM4-2B0ACA



Housing B1, small display, door mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

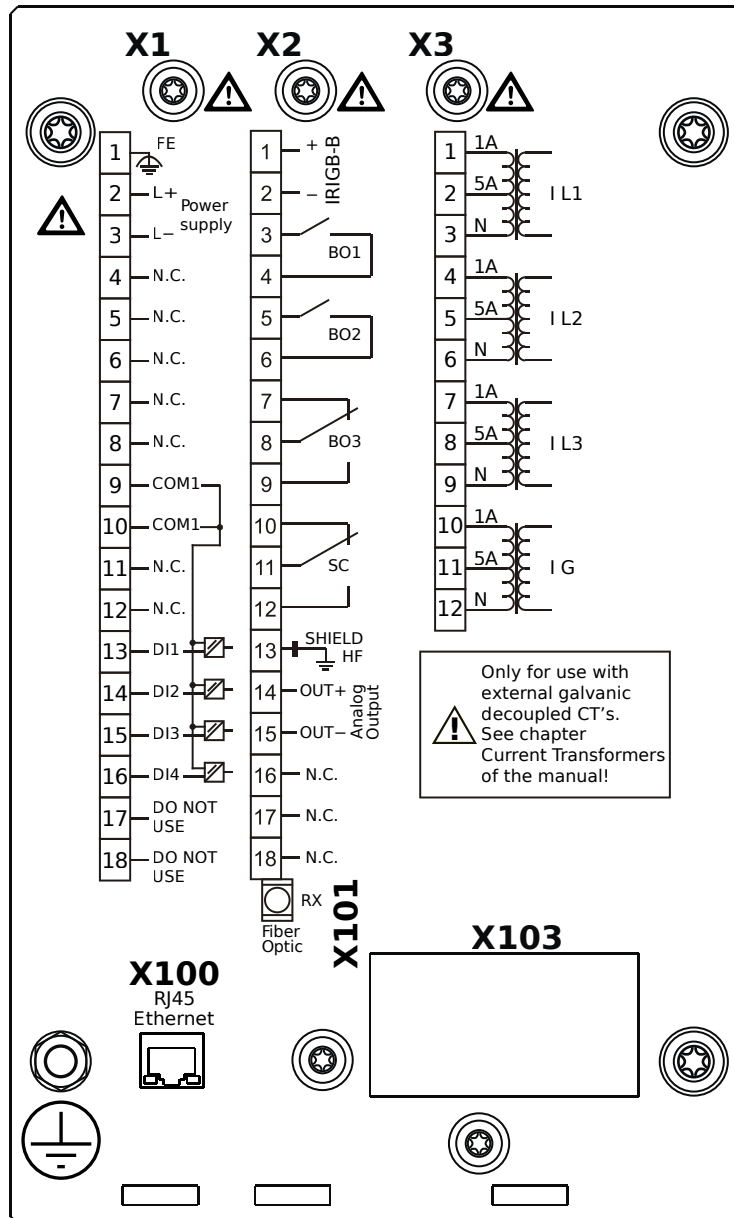
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B0ACB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

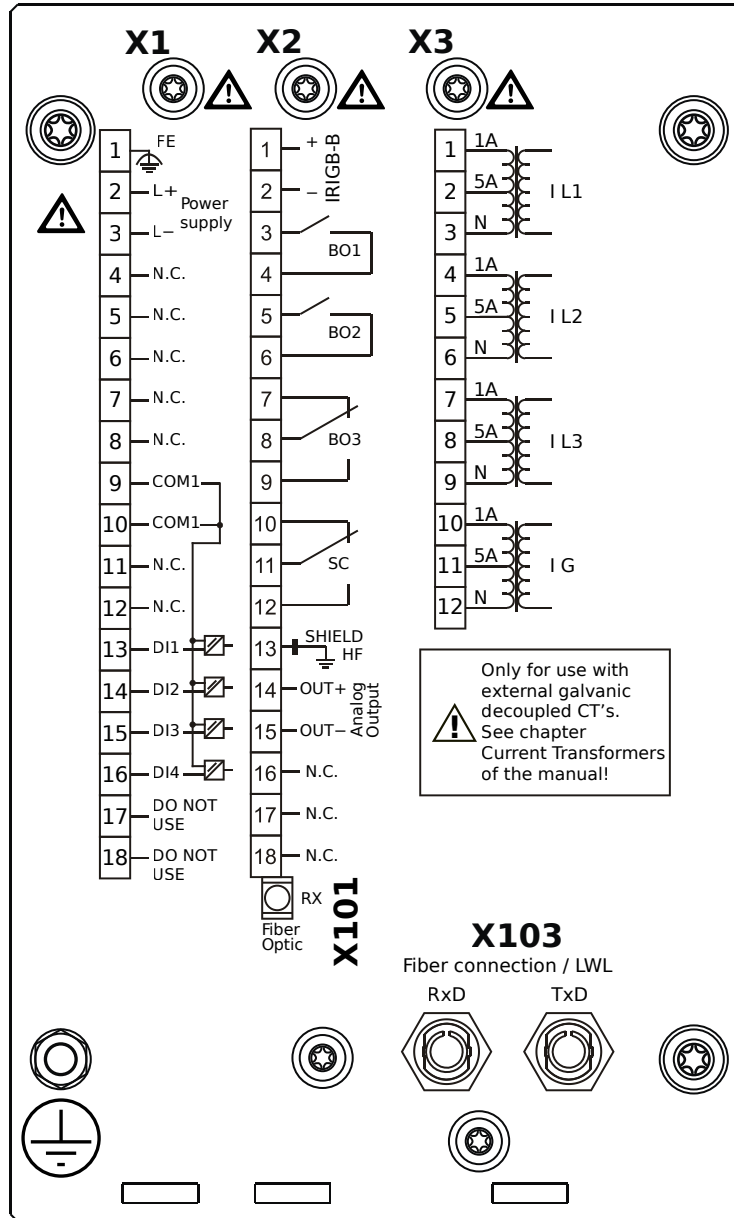
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B0ADA



Housing B1, small display, door mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

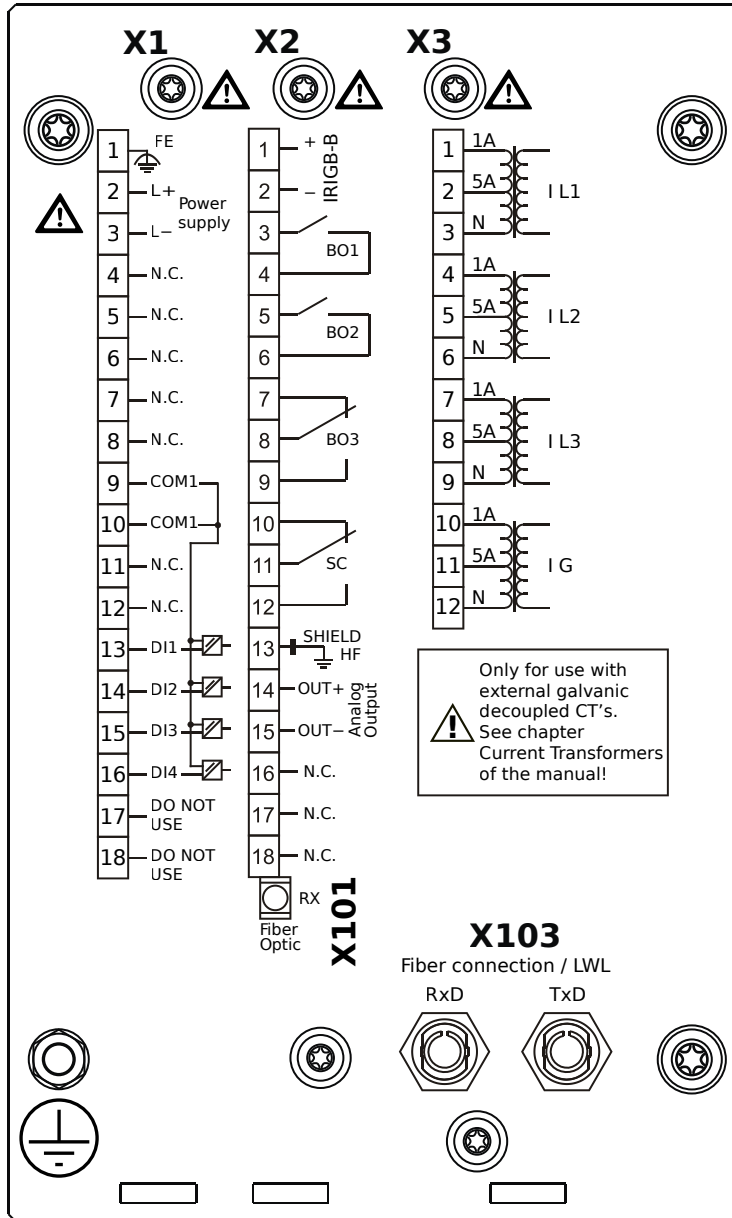
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, Fiber optics interface, ST Connector

MRM4-2B0ADB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

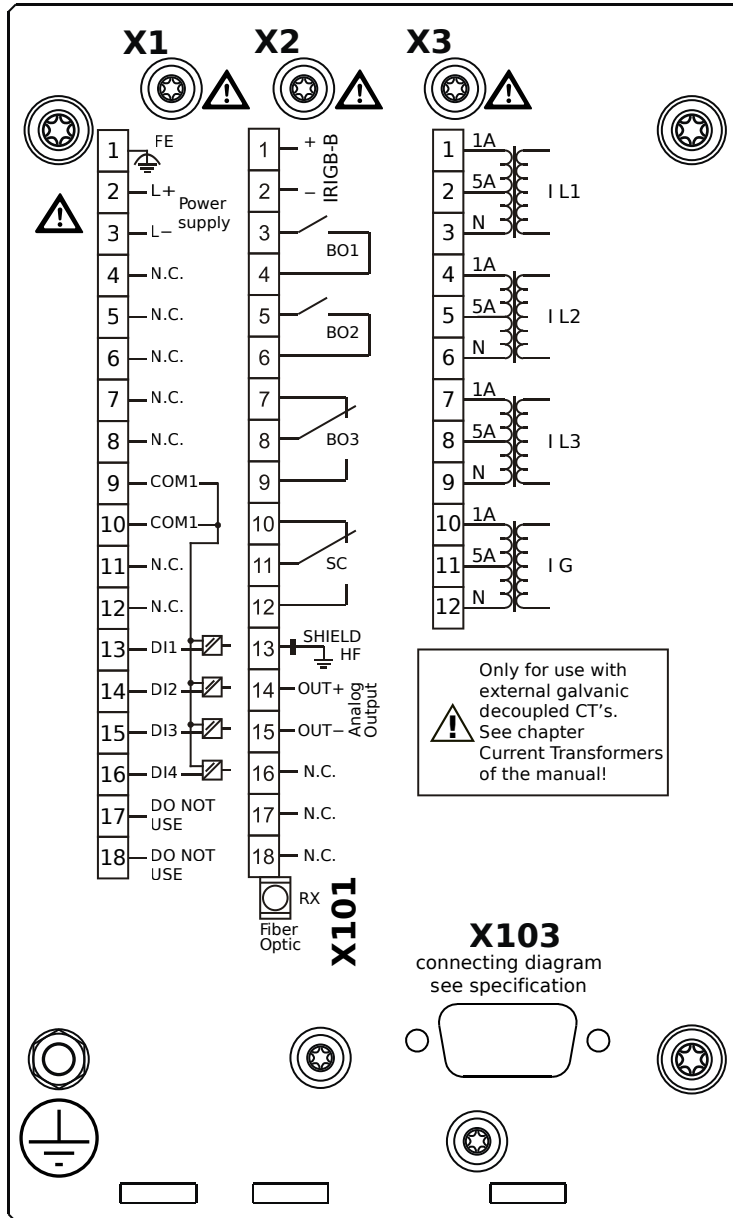
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, Fiber optics interface, ST Connector

MRM4-2B0AEA



Housing B1, small display, door mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

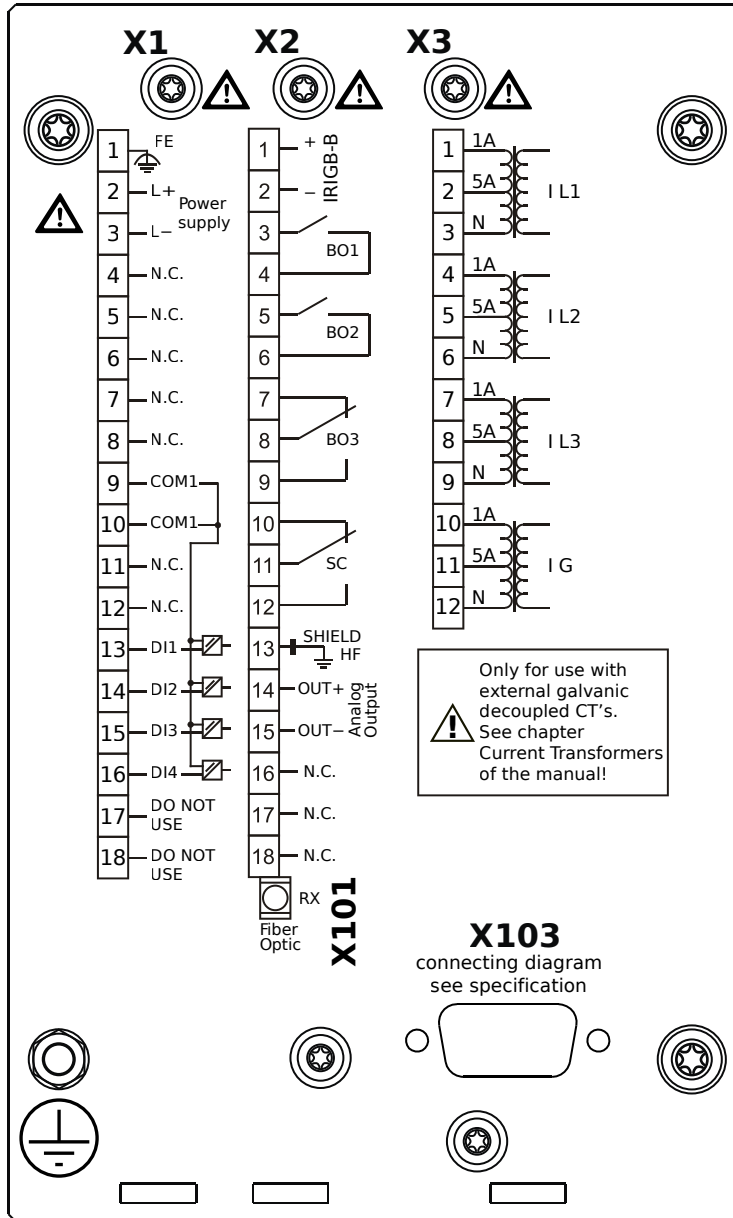
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, RS485, D-SUB

MRM4-2B0AEB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

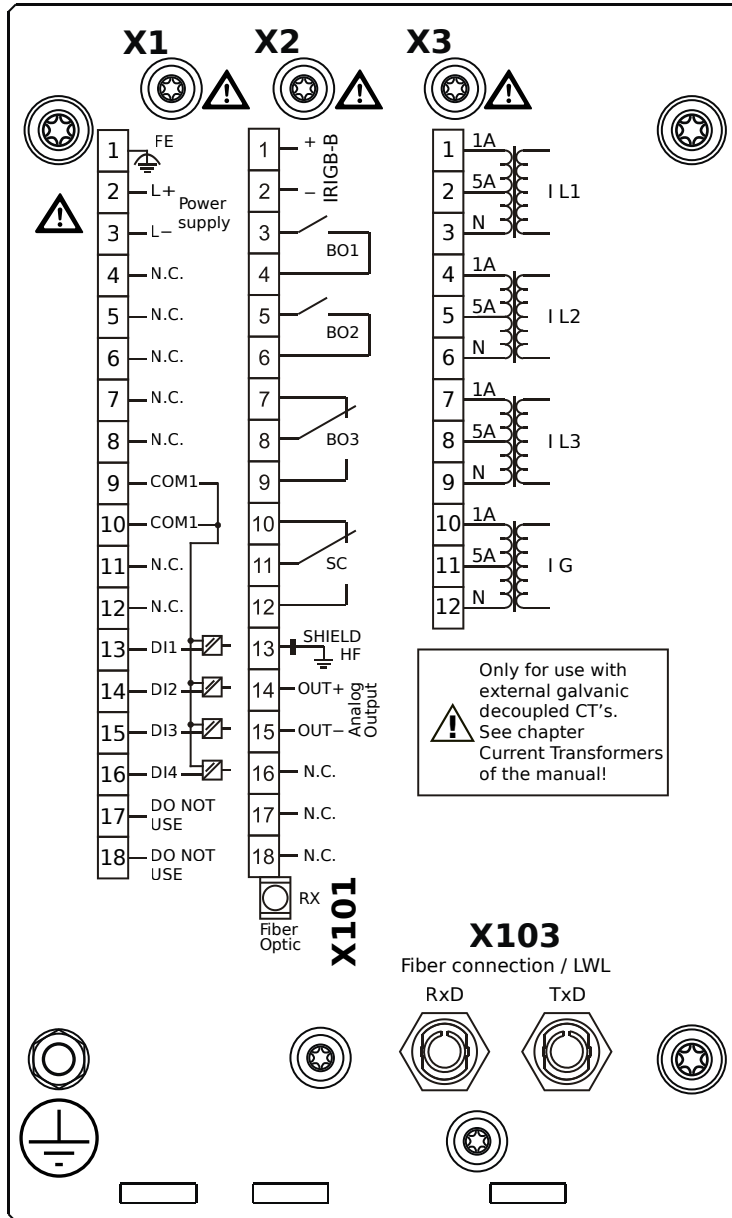
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, RS485, D-SUB

MRM4-2B0AFA



Housing B1, small display, door mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

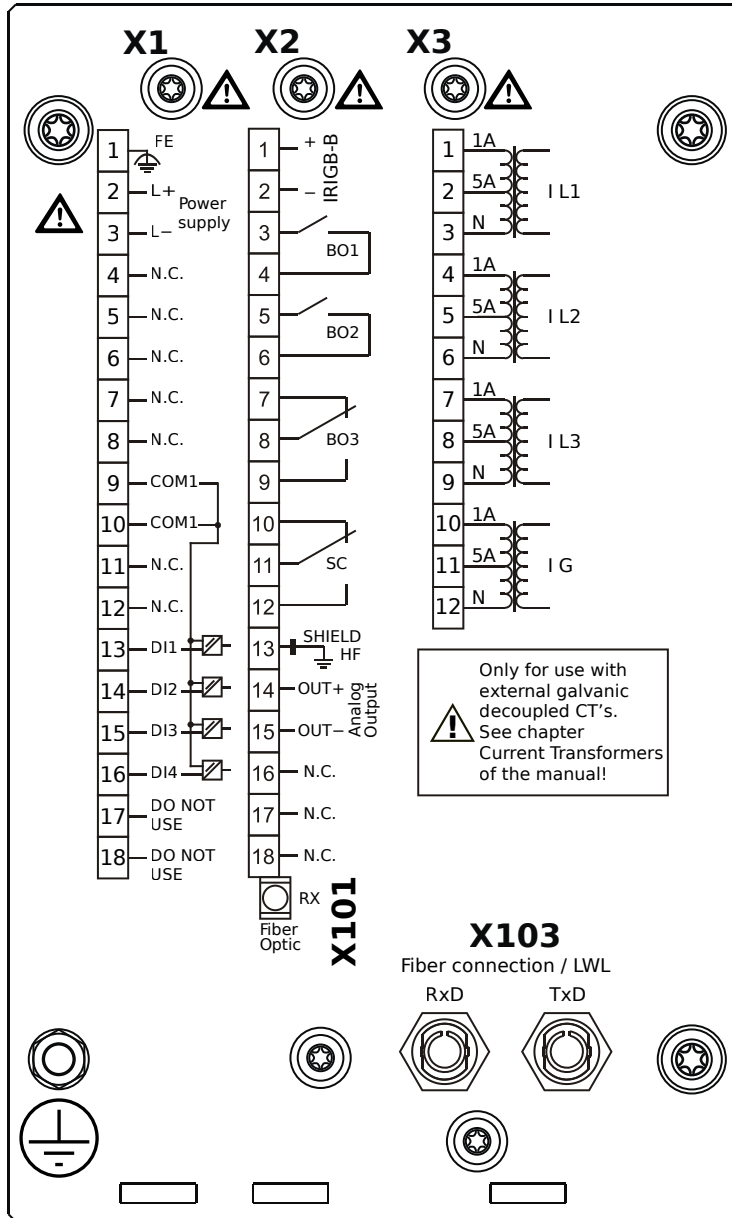
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

MRM4-2B0AFB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

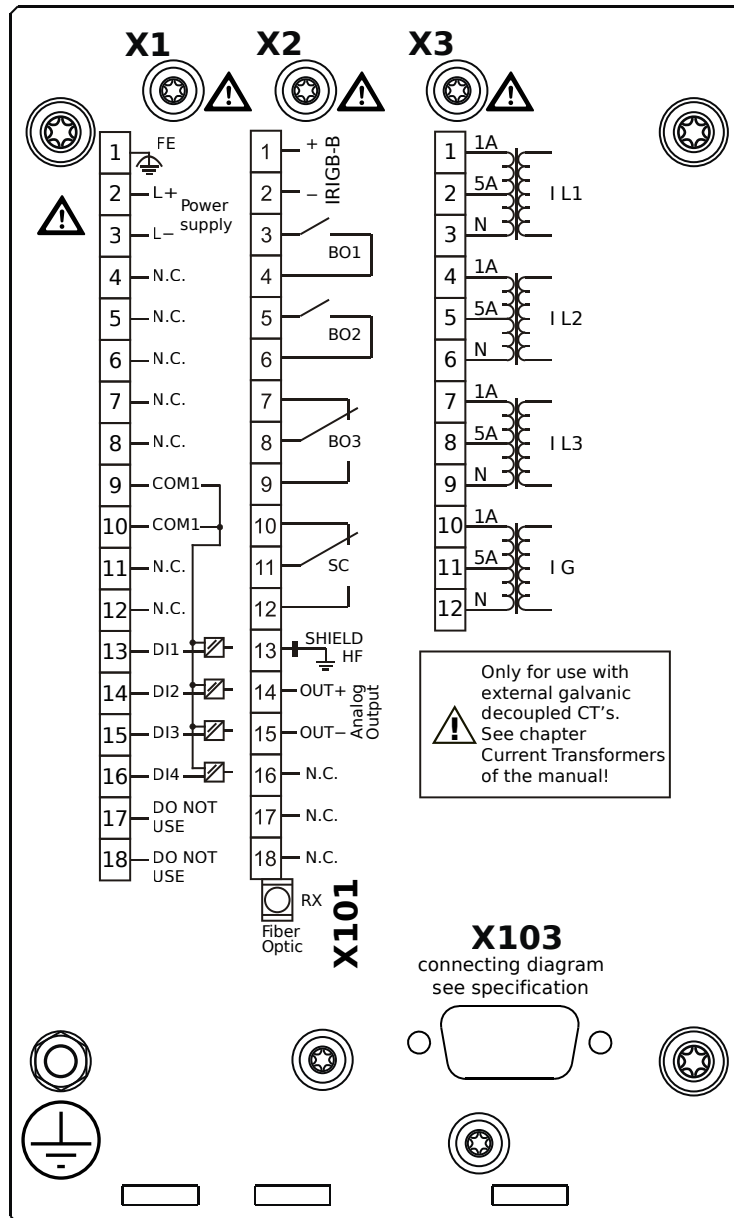
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

MRM4-2B0AGA



Housing B1, small display, door mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

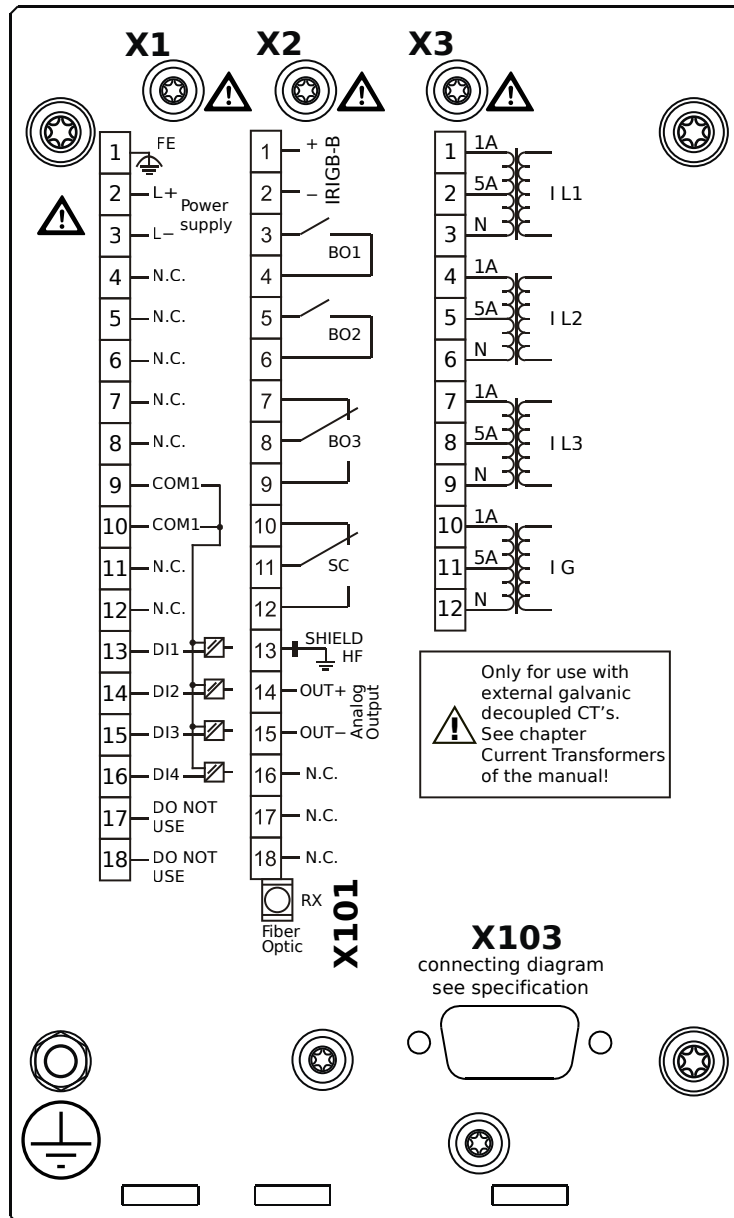
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

MRM4-2B0AGB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

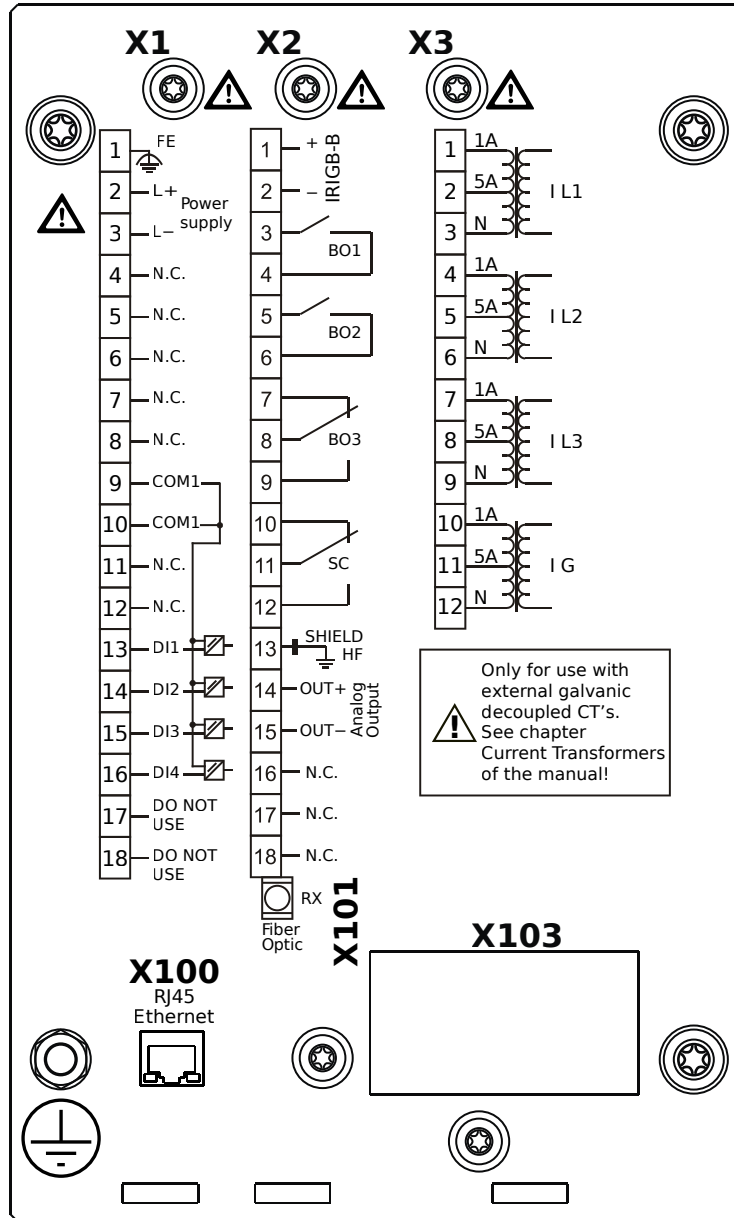
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

MRM4-2B0AHA



Housing B1, small display, door mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

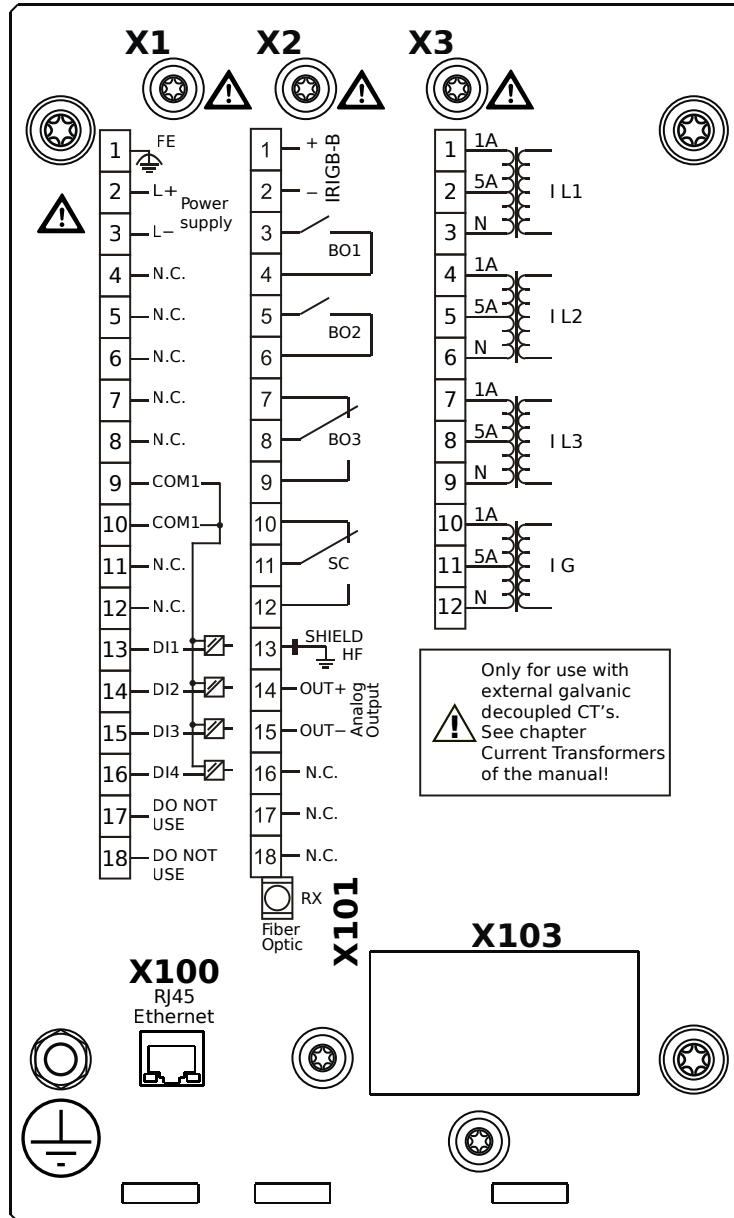
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

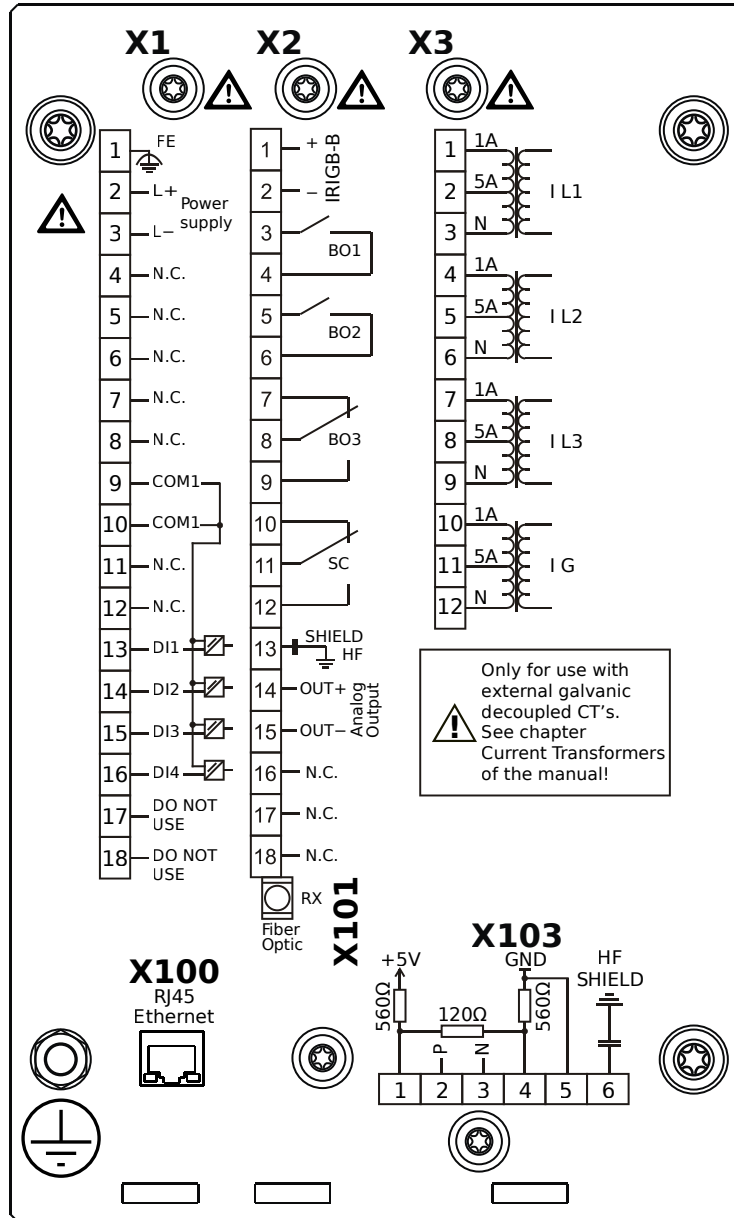
MRM4-2B0AHB



Housing B1, small display, door mounting

- + Conformal Coating (for installations in harsh environment)
- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

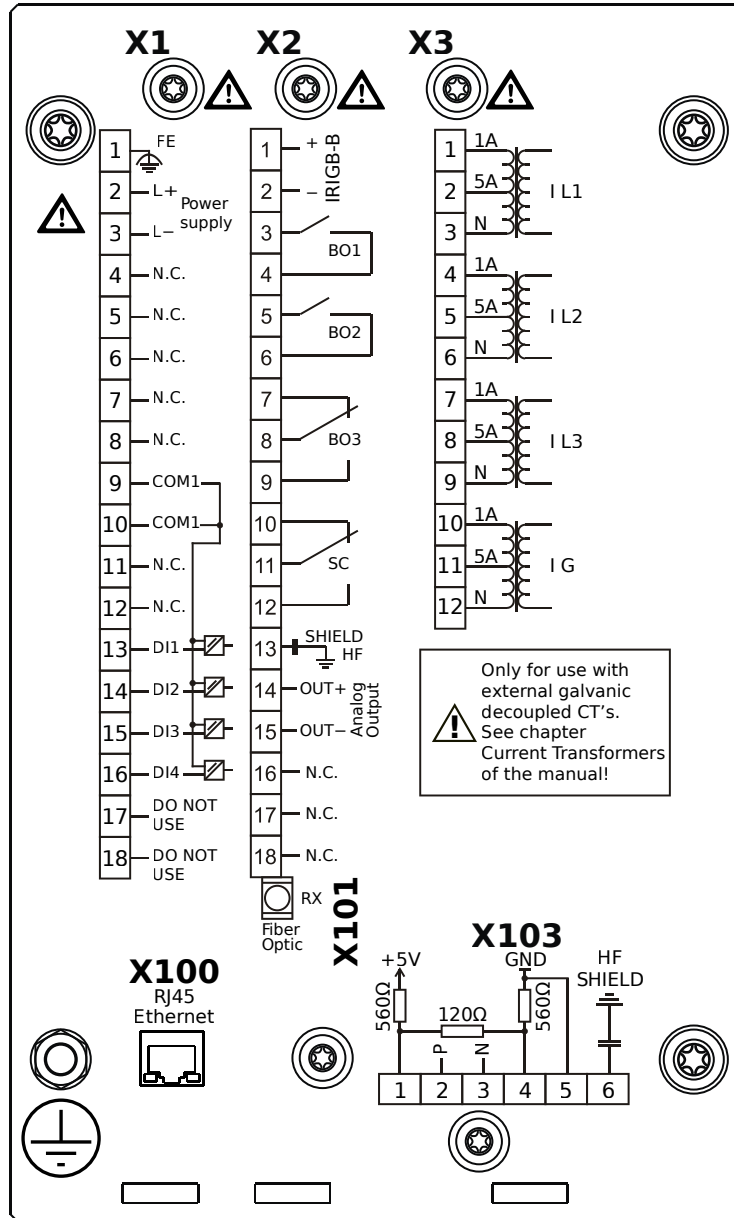
MRM4-2B0AIA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

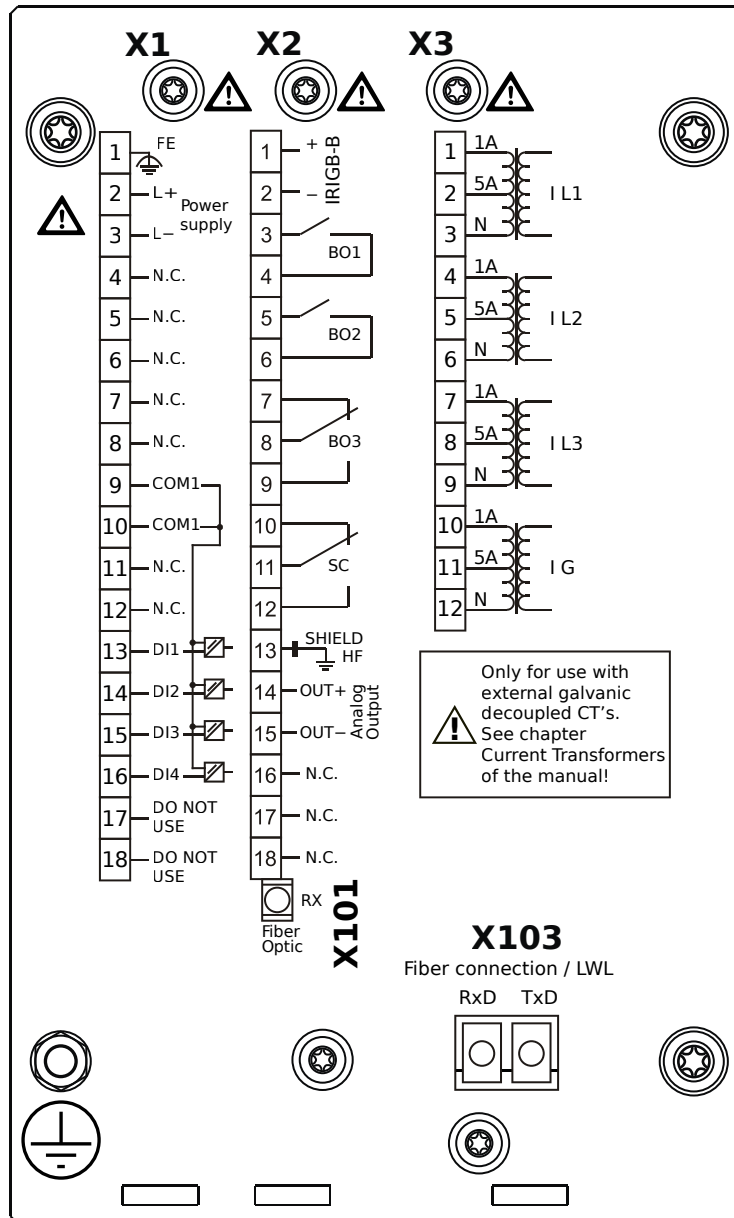
MRM4-2B0AIB



Housing B1, small display, door mounting

- + Conformal Coating (for installations in harsh environment)
- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2B0AKA



Housing B1, small display, door mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

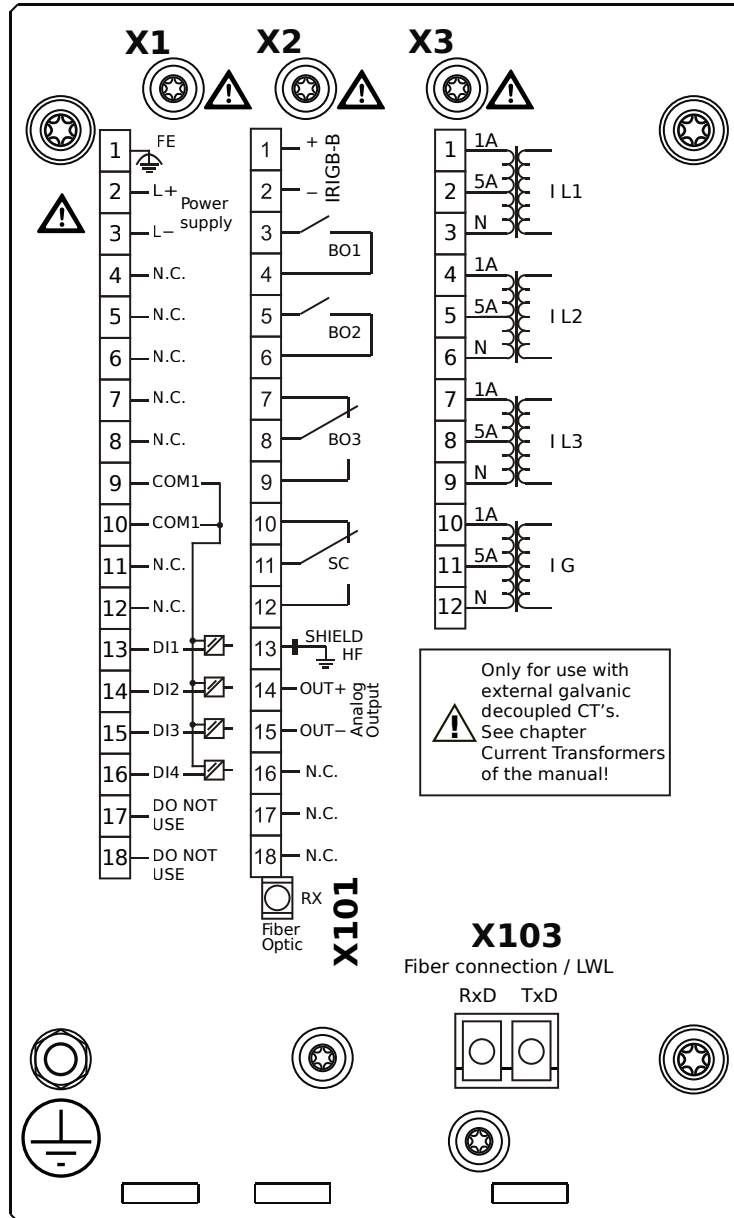
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2B0AKB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

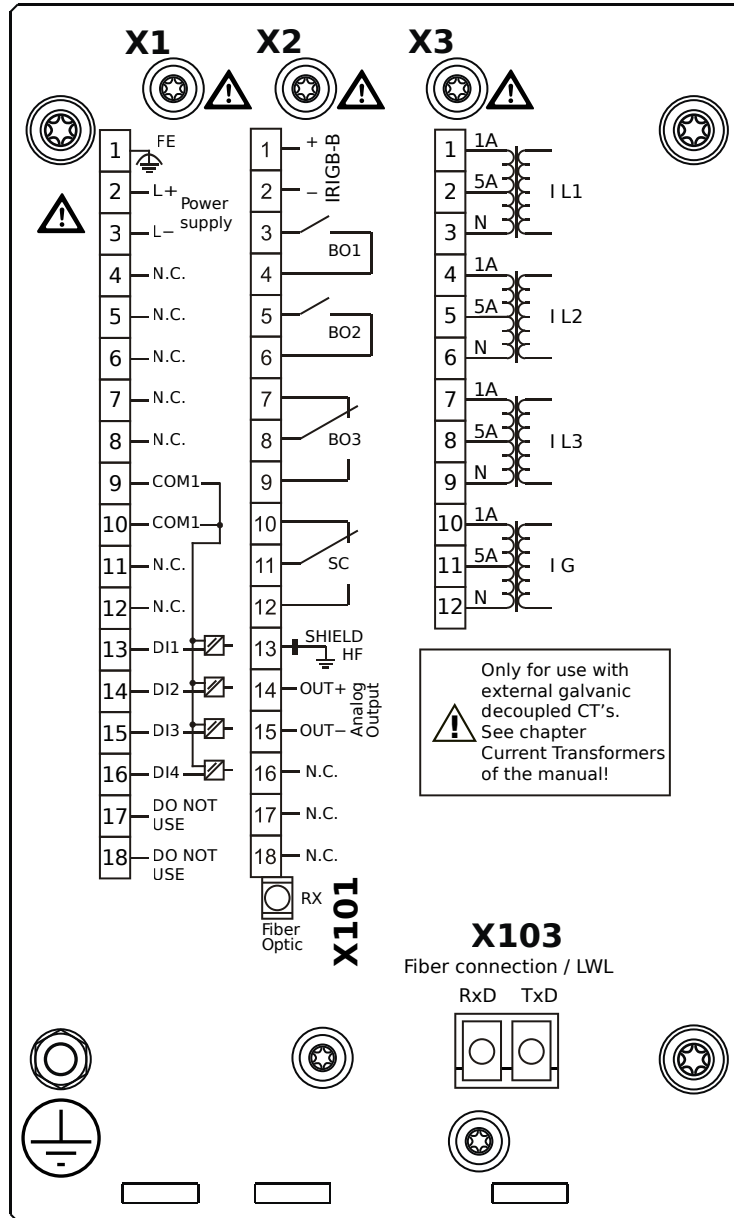
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2B0ALA



Housing B1, small display, door mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

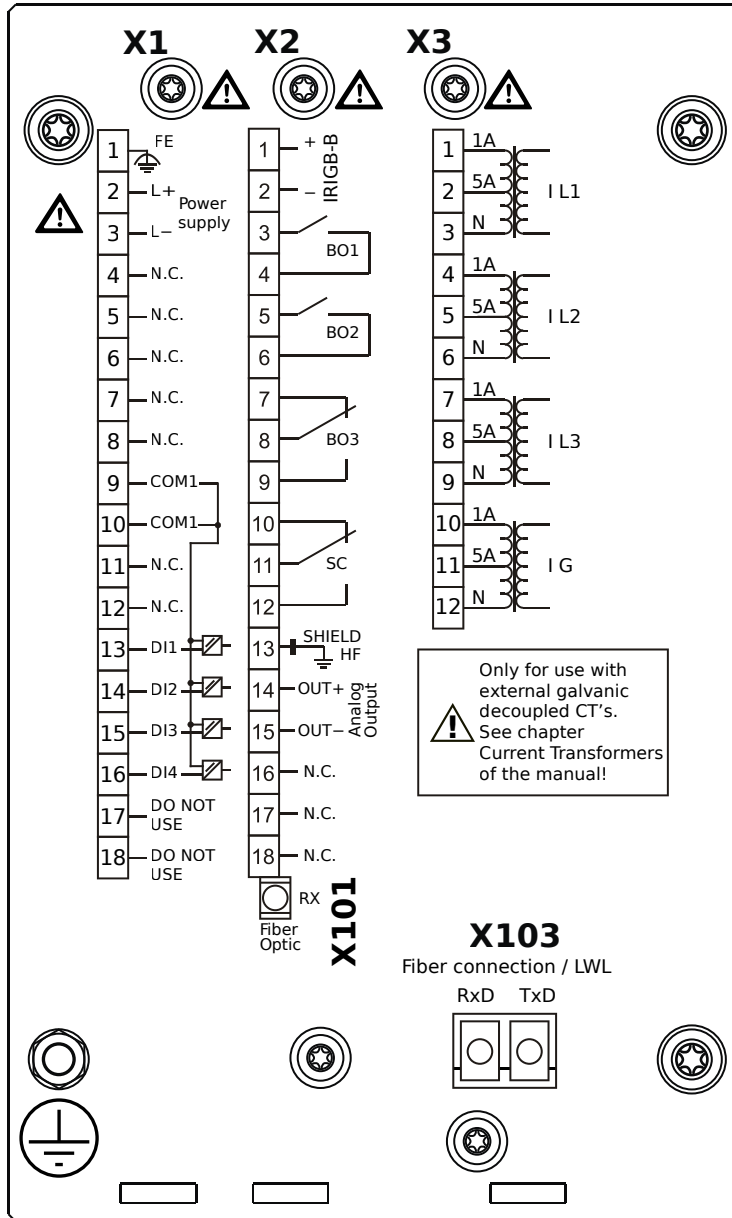
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2B0ALB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

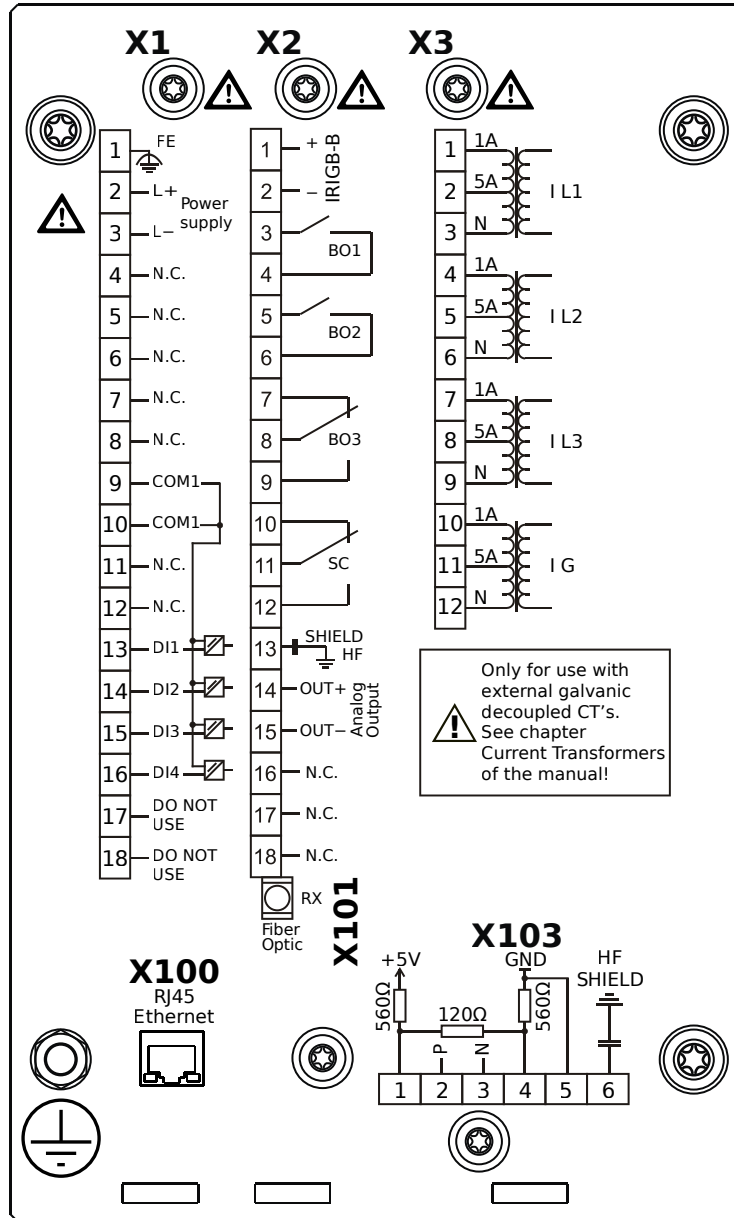
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2B0ATA



Housing B1, small display, door mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

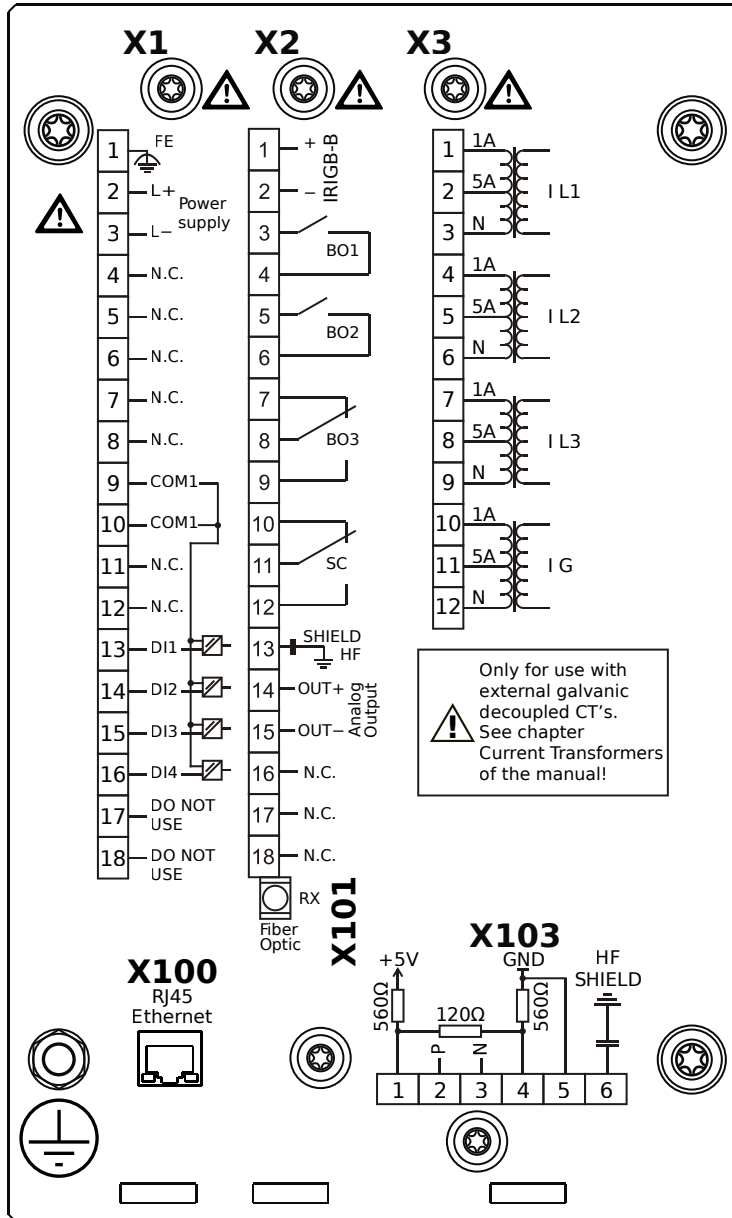
X3 – TI: Standard current measuring card

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2B0ATB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

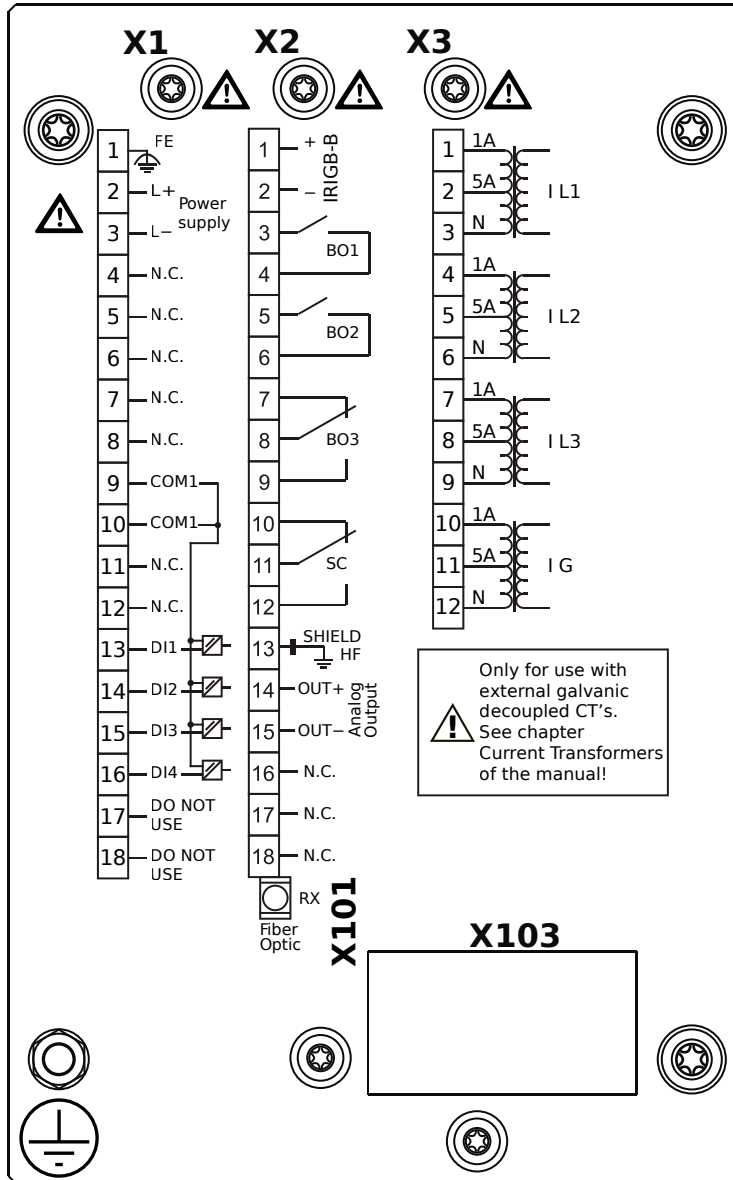
X3 – TI: Standard current measuring card

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

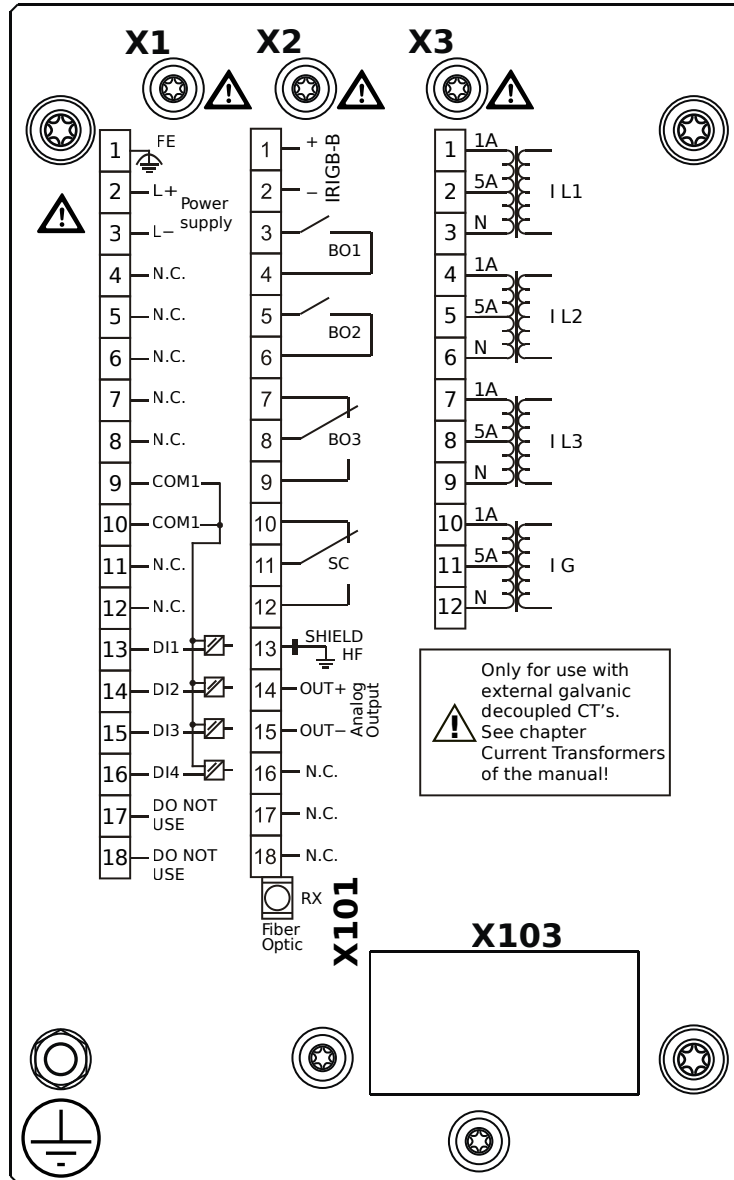
MRM4-2B0BAA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B0BAB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

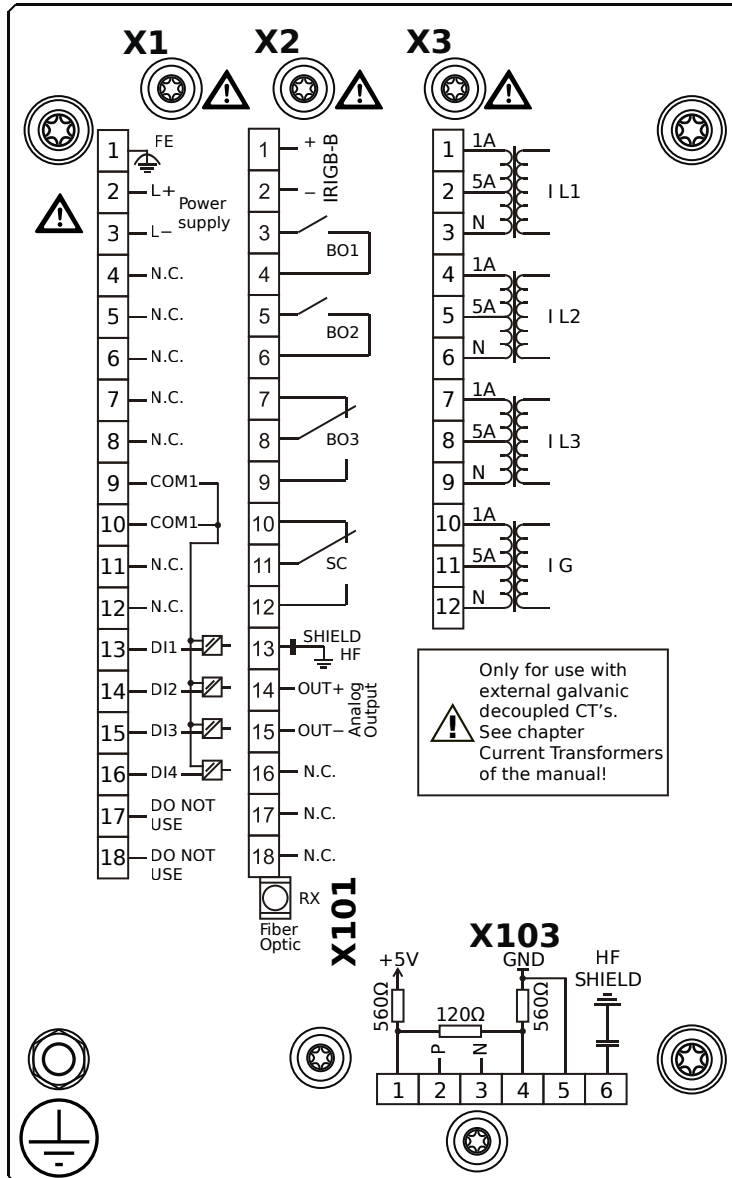
X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

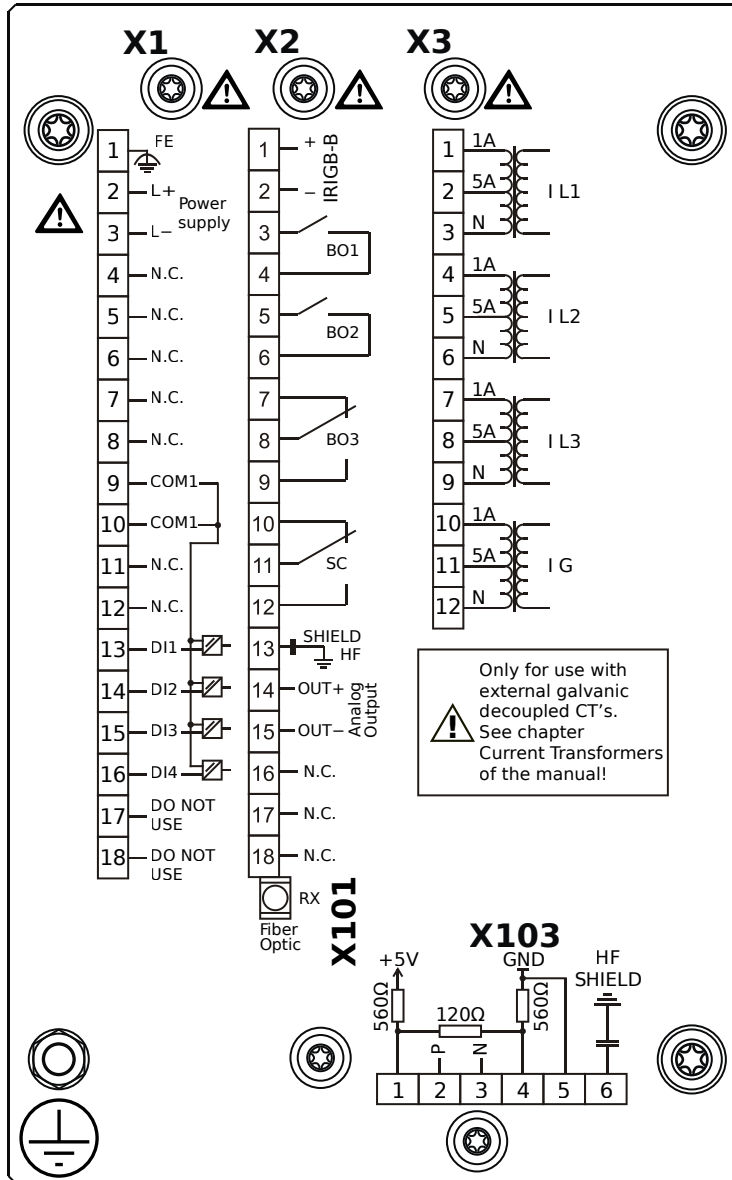
MRM4-2B0BBA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

MRM4-2B0BBB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

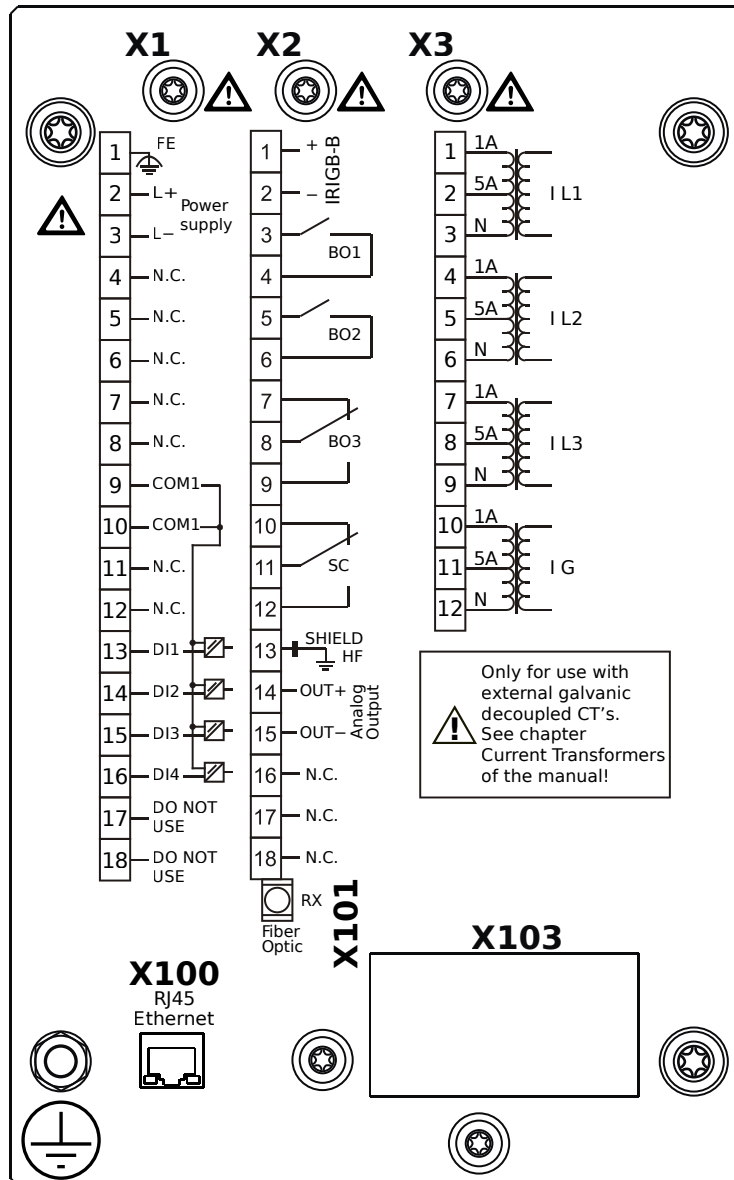
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

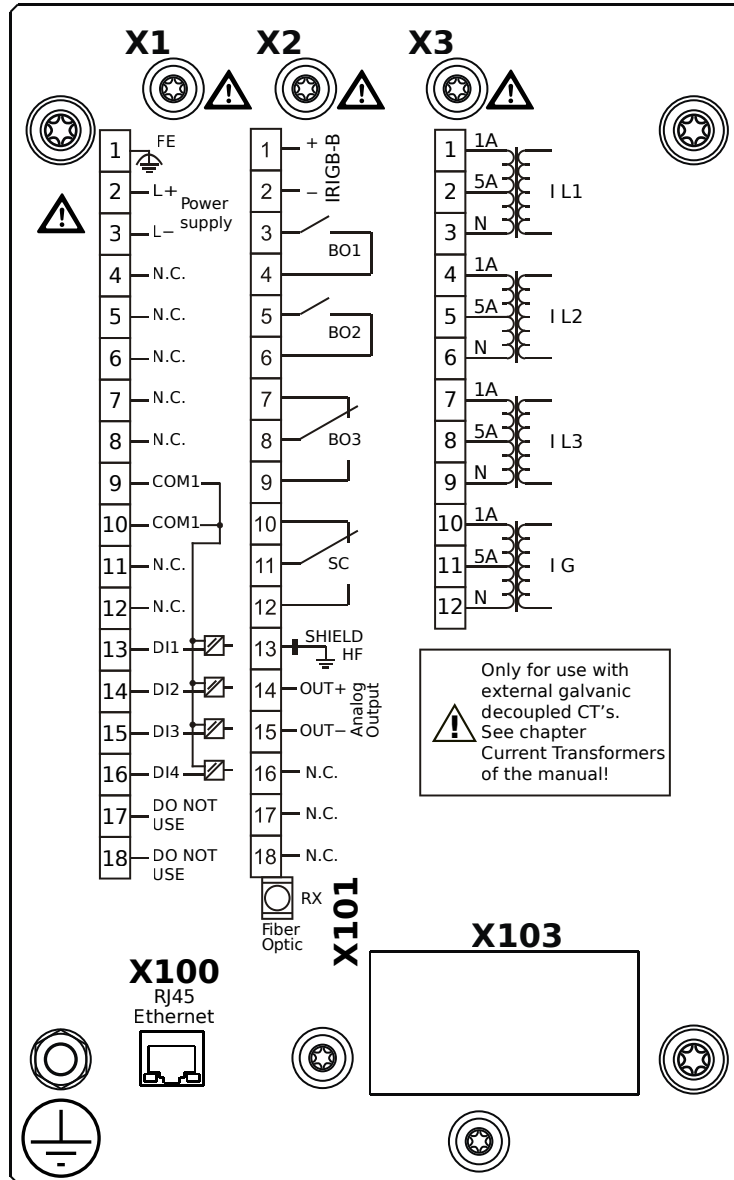
MRM4-2B0BCA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B0BCB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

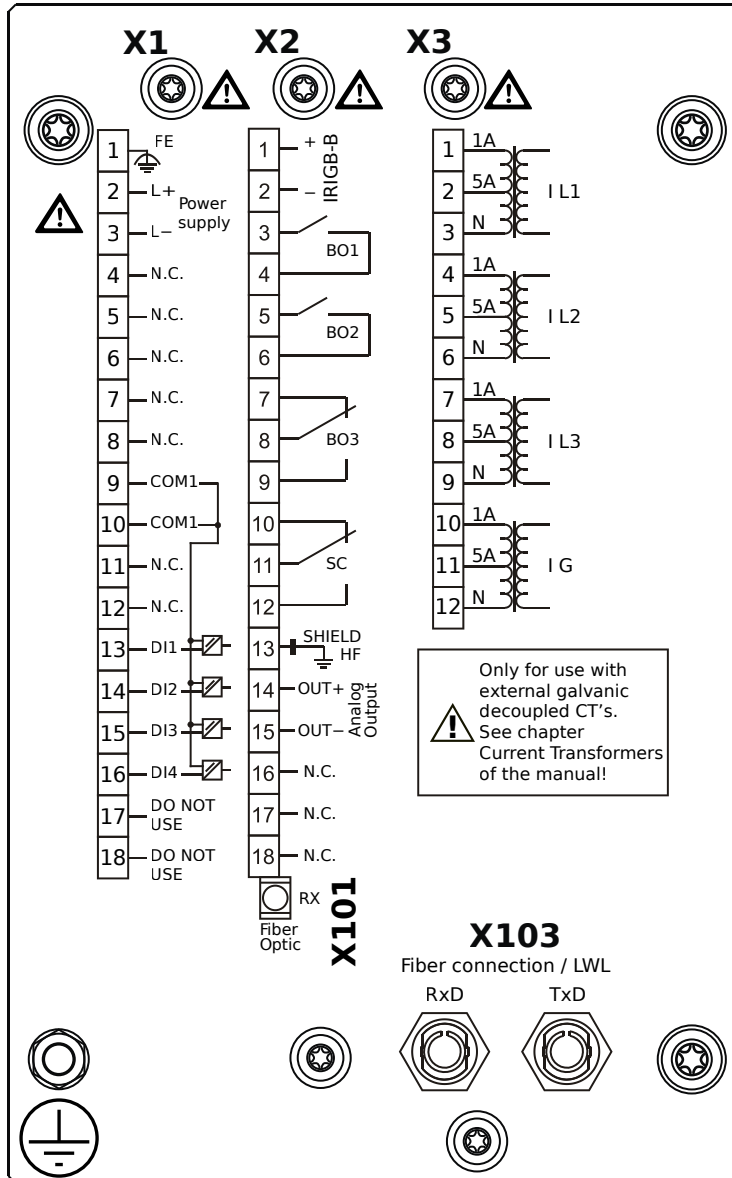
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B0BDA



Housing B1, small display, 19" rack mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

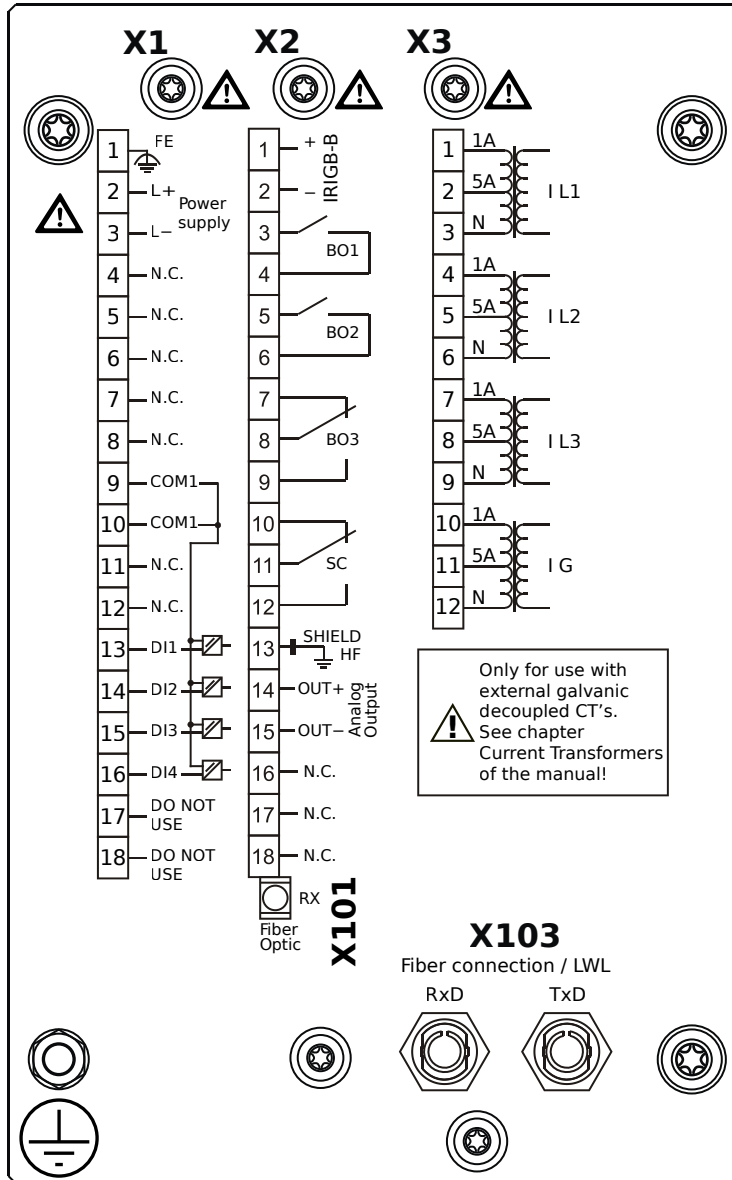
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, Fiber optics interface, ST Connector

MRM4-2B0BDB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

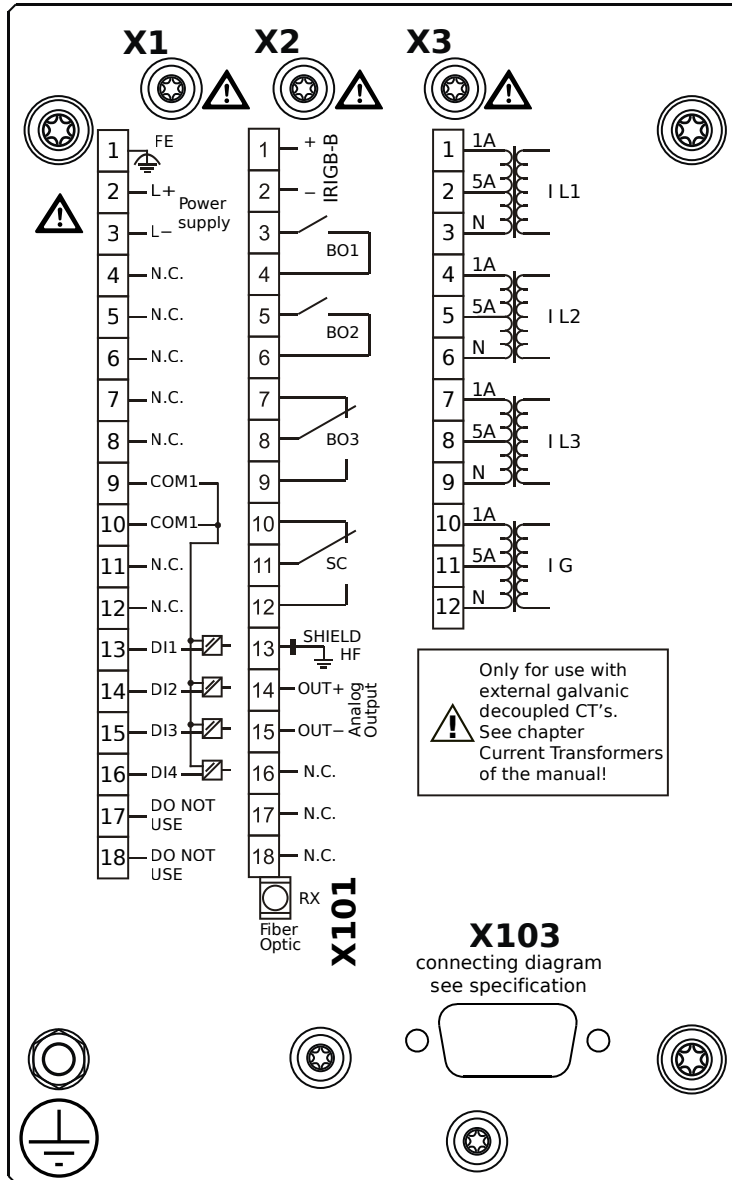
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, Fiber optics interface, ST Connector

MRM4-2B0BEA



Housing B1, small display, 19" rack mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

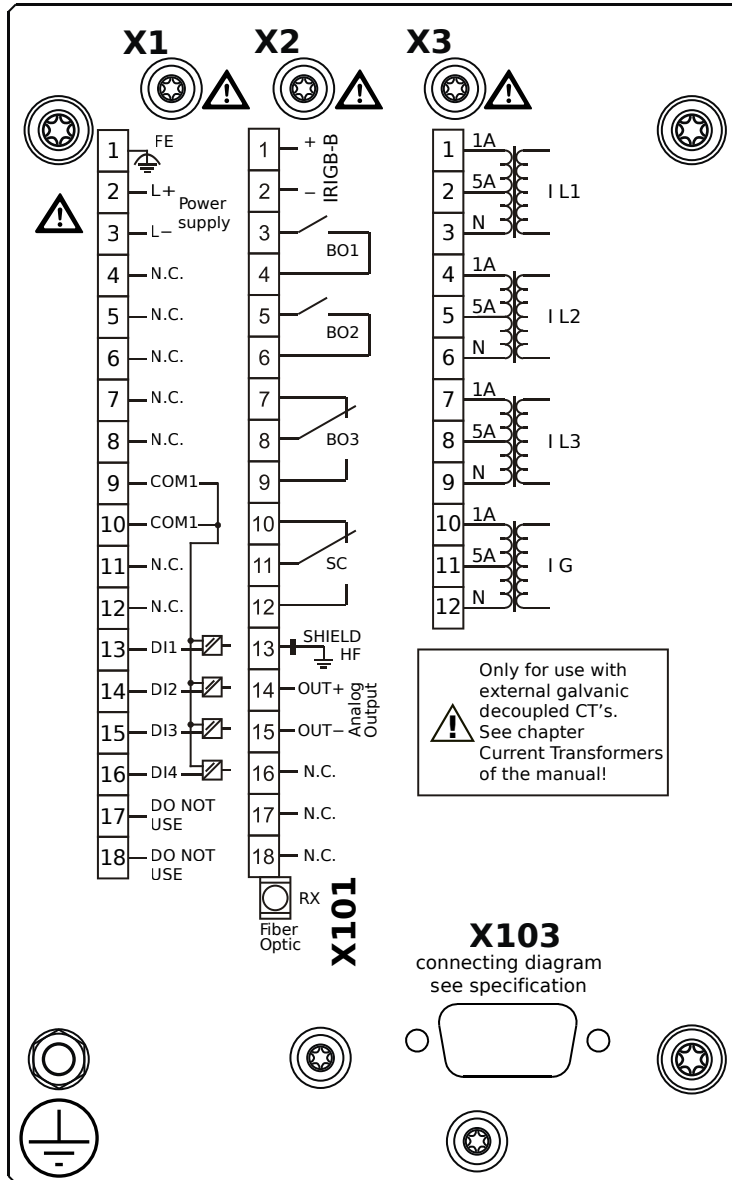
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, RS485, D-SUB

MRM4-2B0BEB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

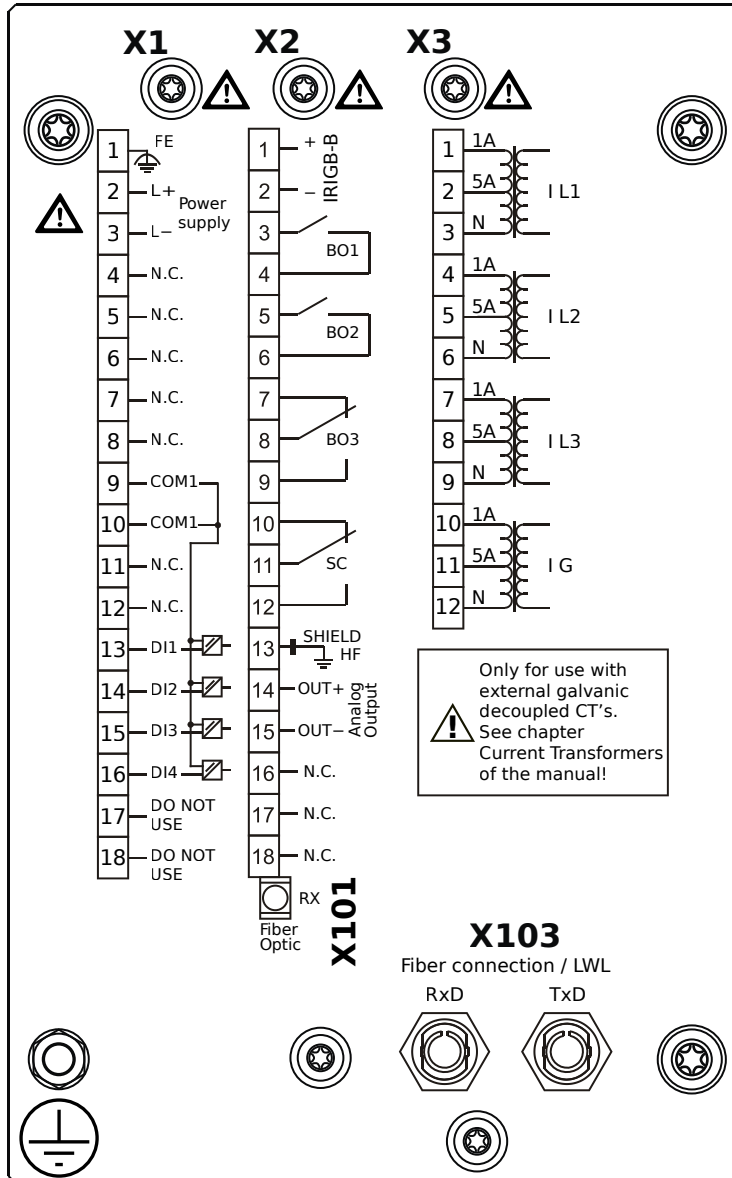
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, RS485, D-SUB

MRM4-2B0BFA



Housing B1, small display, 19" rack mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

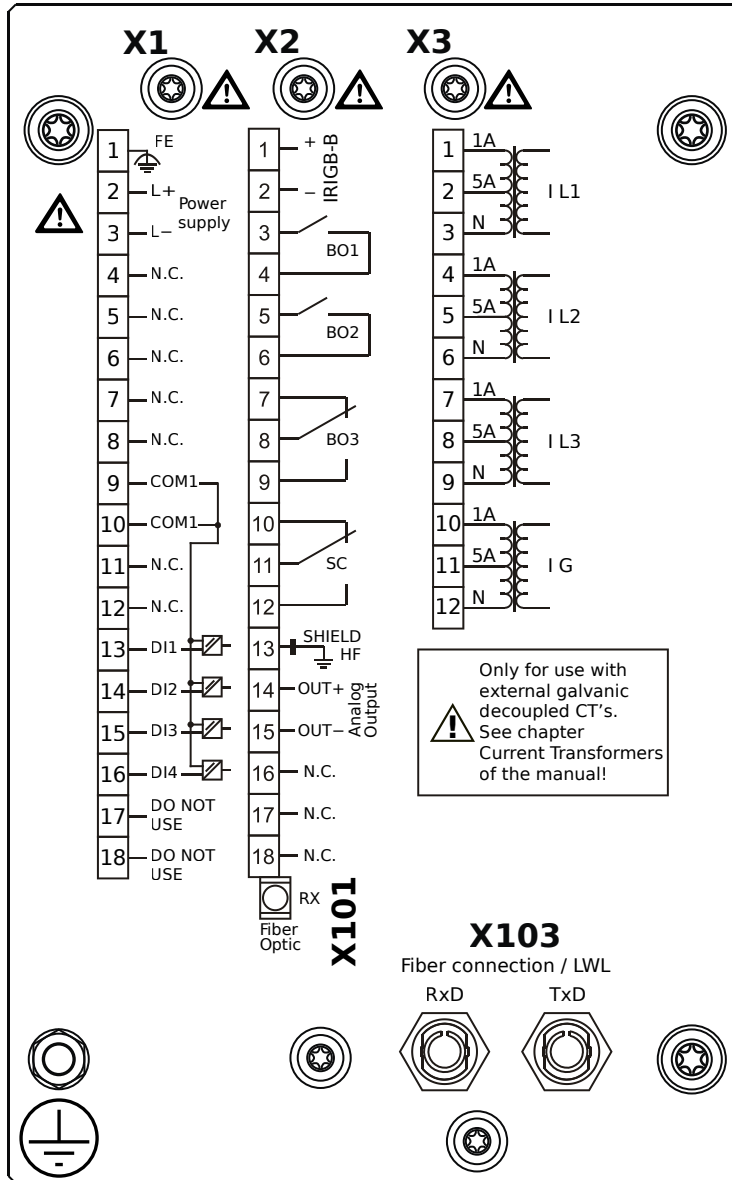
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

MRM4-2B0BFB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

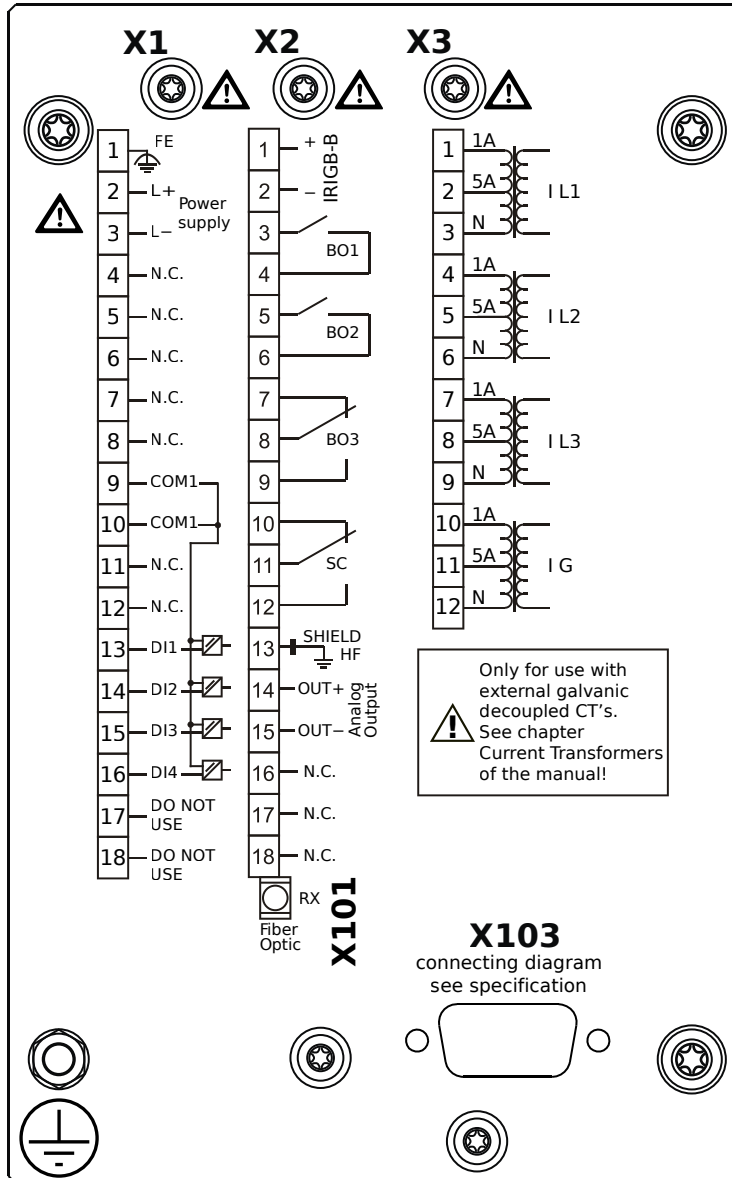
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

MRM4-2B0BGA



Housing B1, small display, 19" rack mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

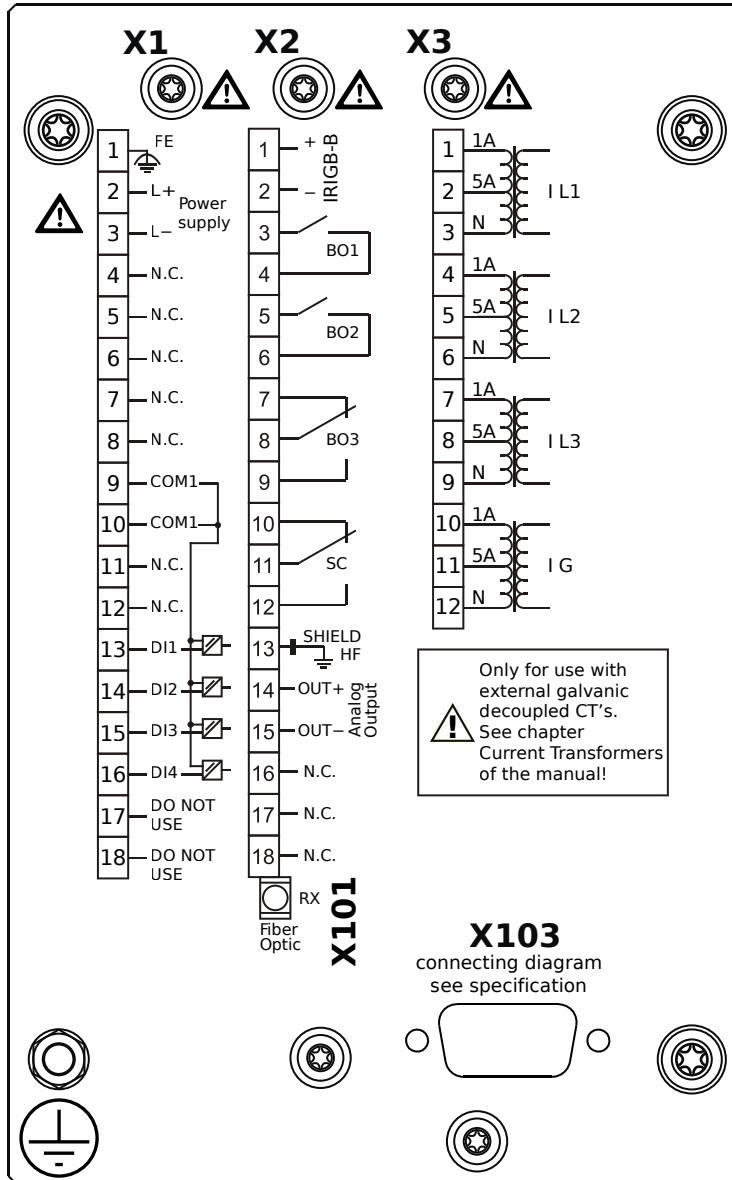
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

MRM4-2B0BGB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

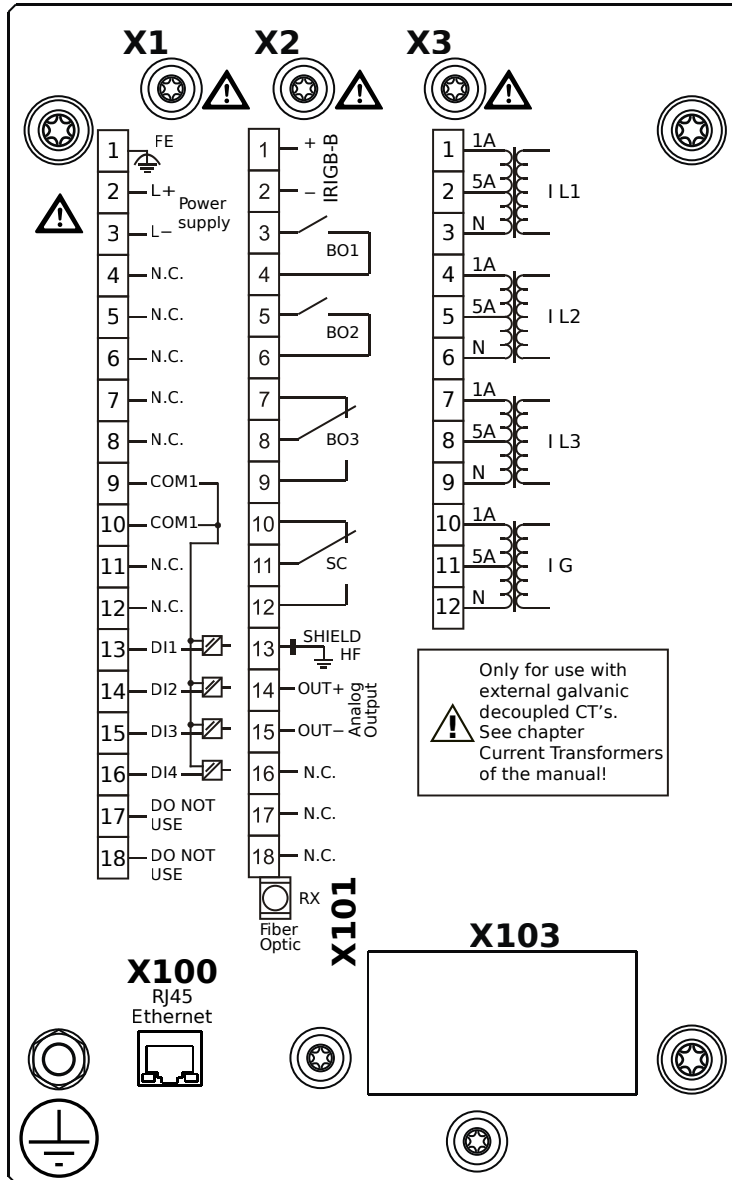
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

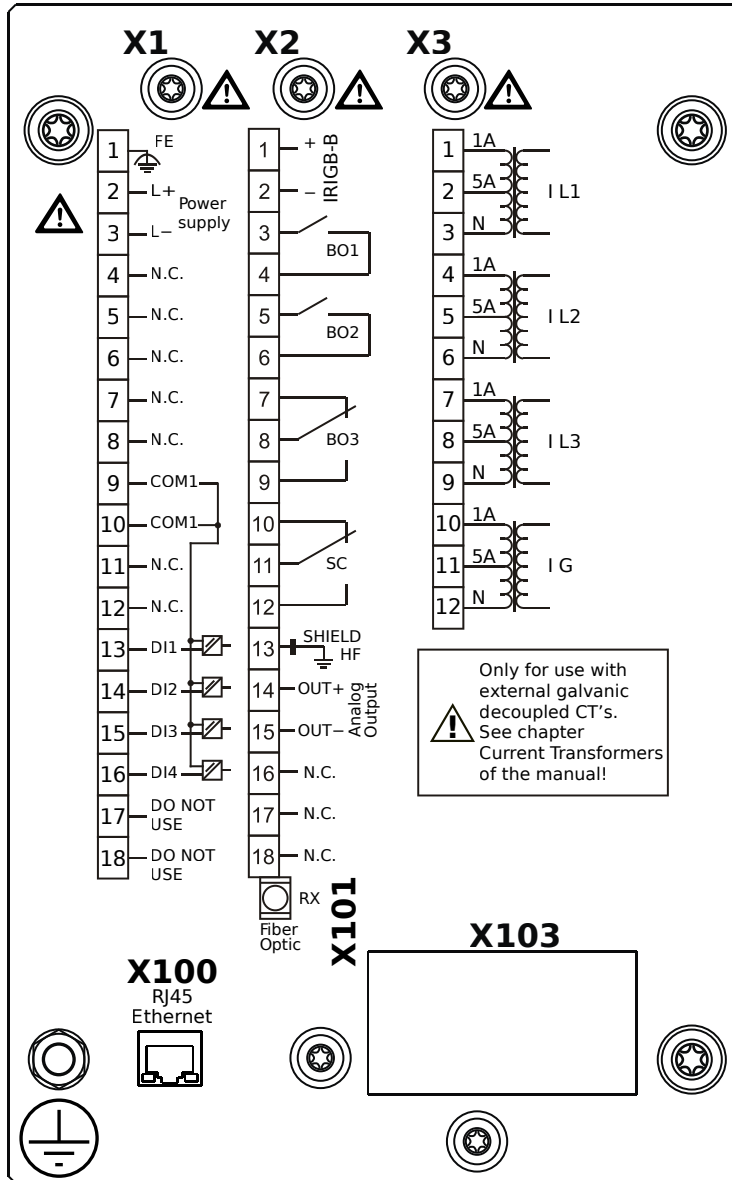
MRM4-2B0BHA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B0BHB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

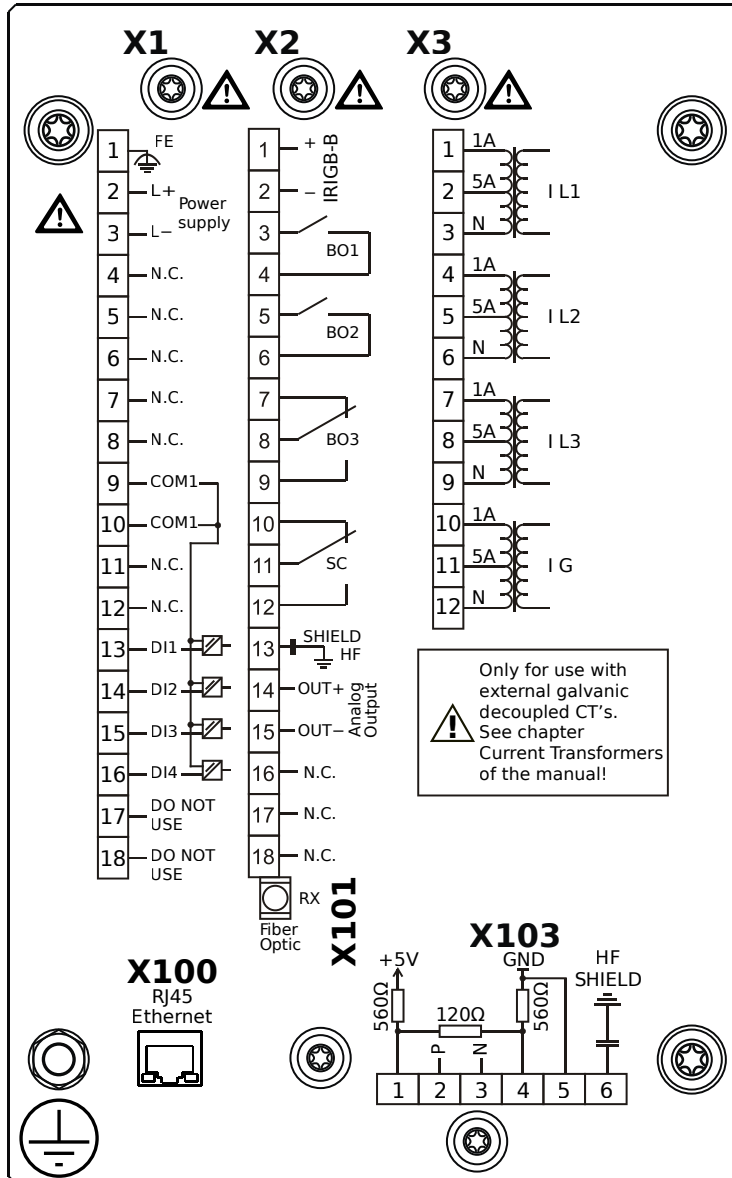
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

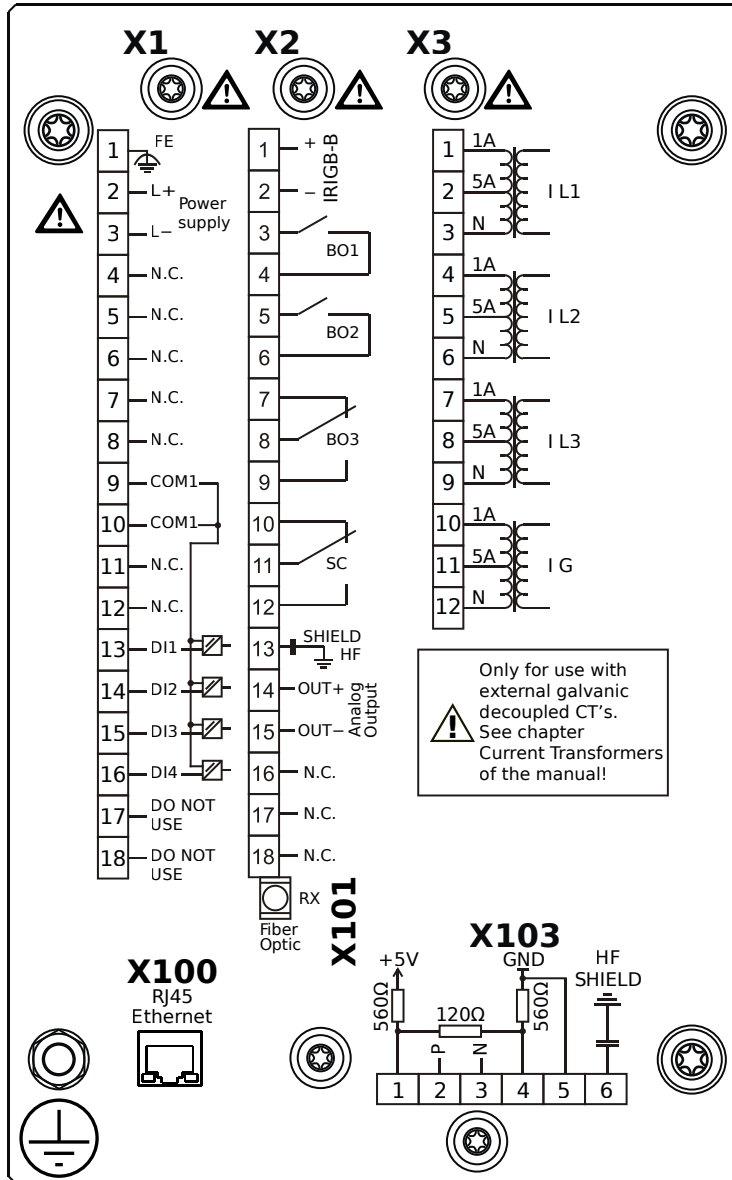
MRM4-2B0BIA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

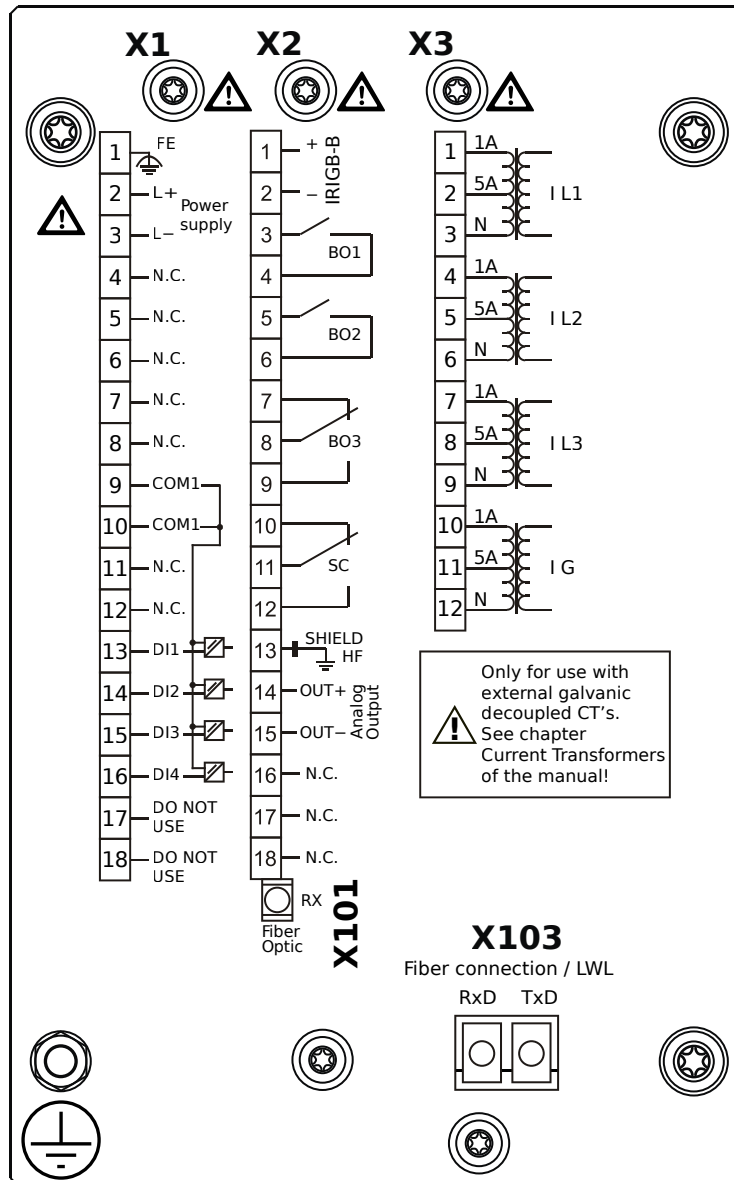
MRM4-2B0BIB



Housing B1, small display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)
- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2B0BKA



Housing B1, small display, 19" rack mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

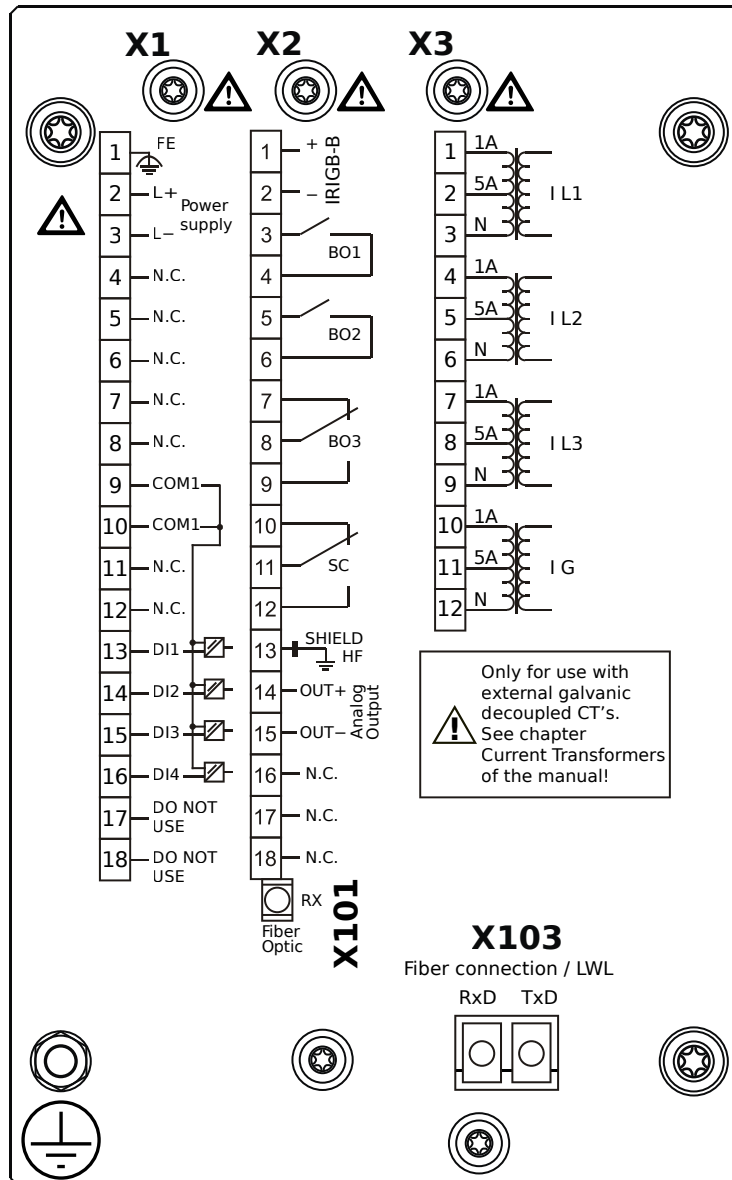
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2B0BKB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

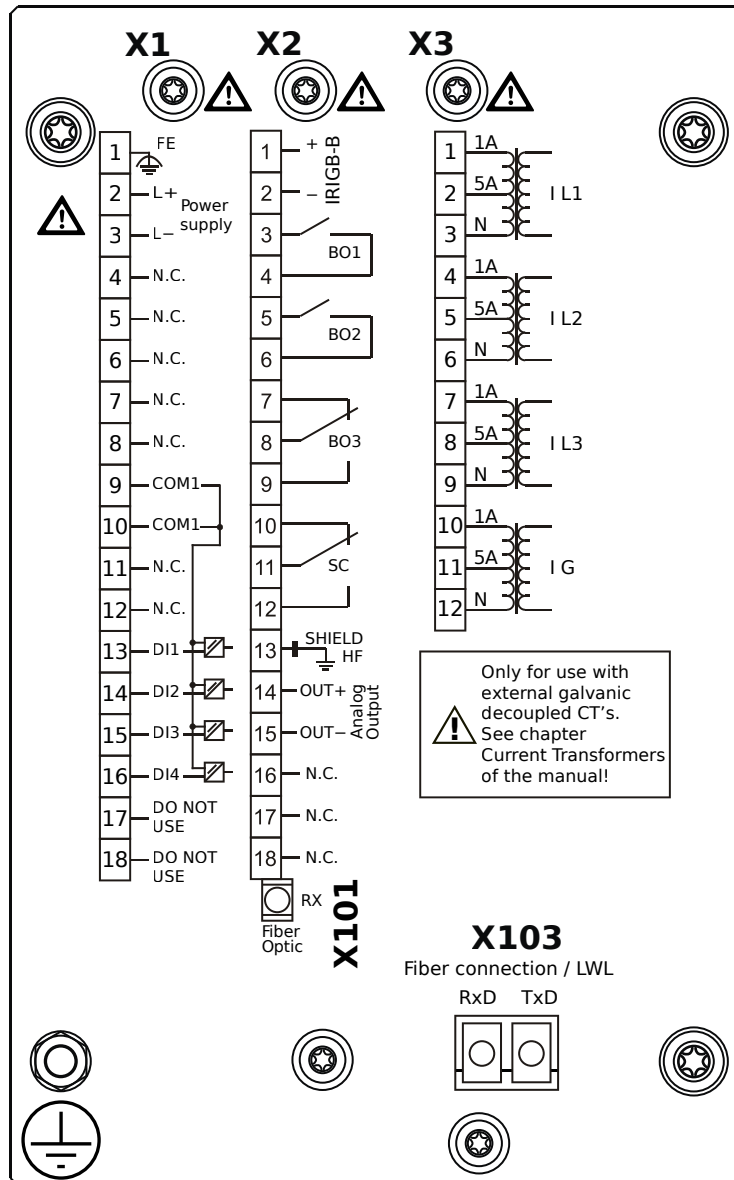
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

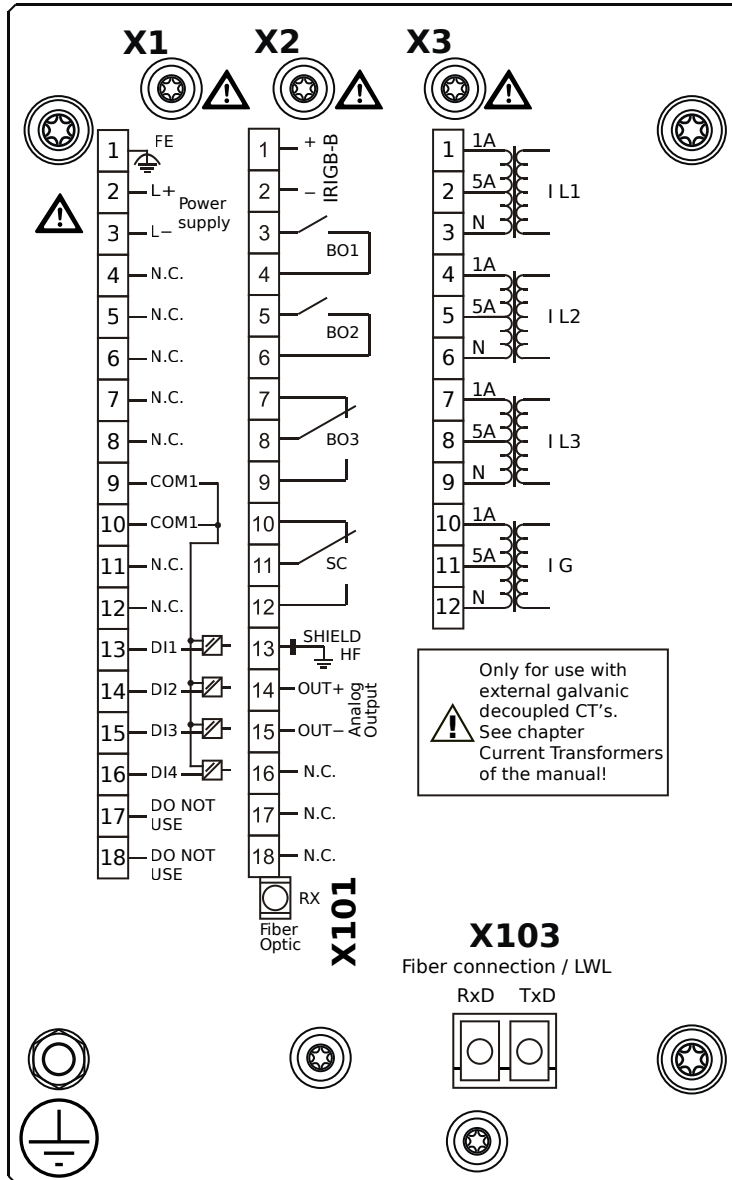
MRM4-2B0BLA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2B0BLB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

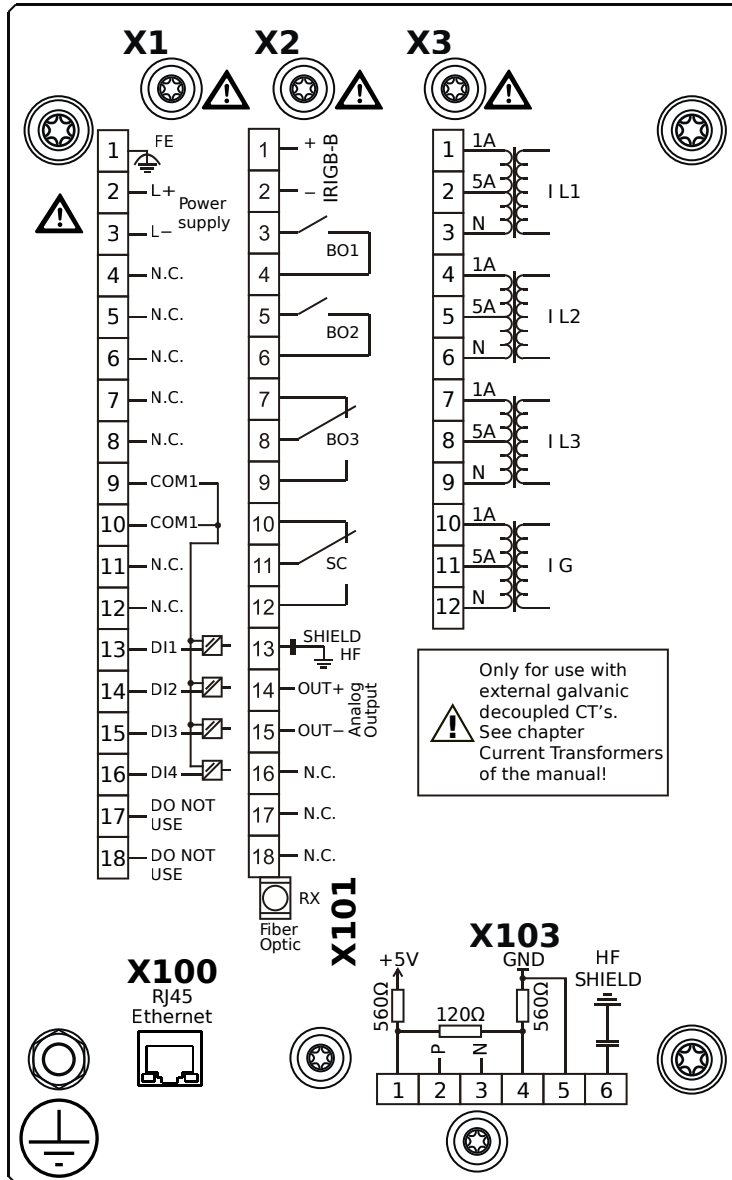
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TI: Standard current measuring card

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

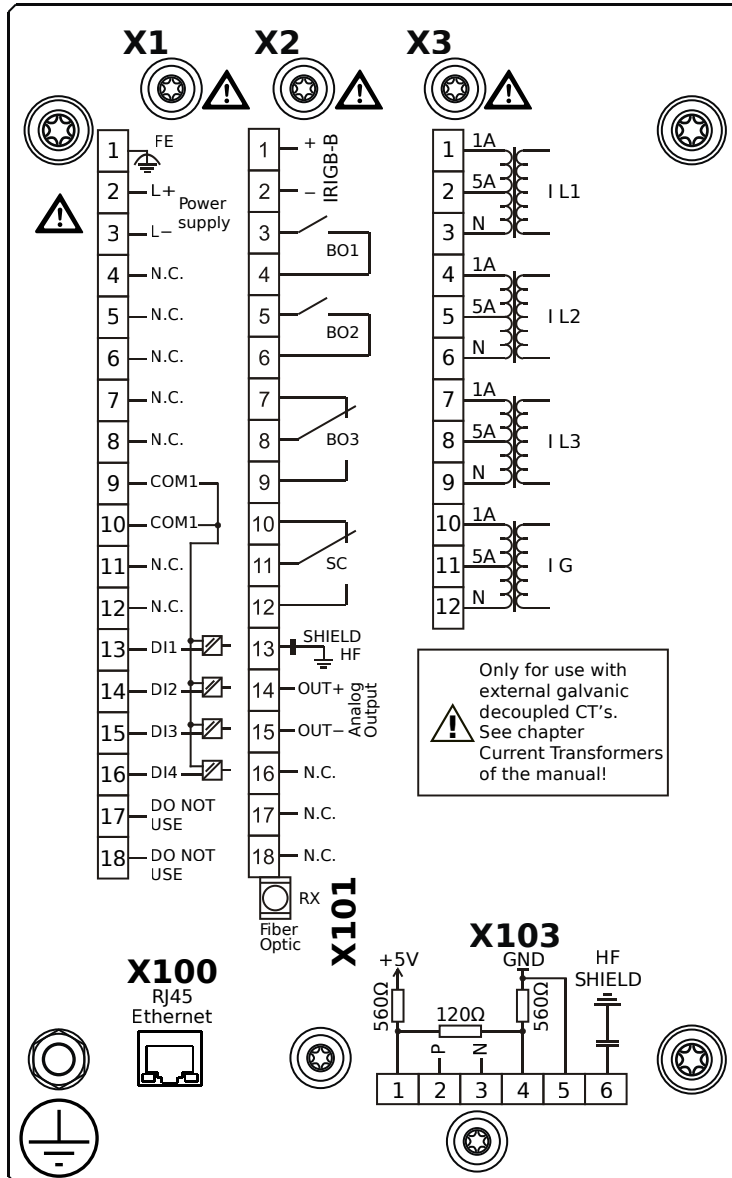
MRM4-2B0BTA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TI: Standard current measuring card
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2B0BTB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

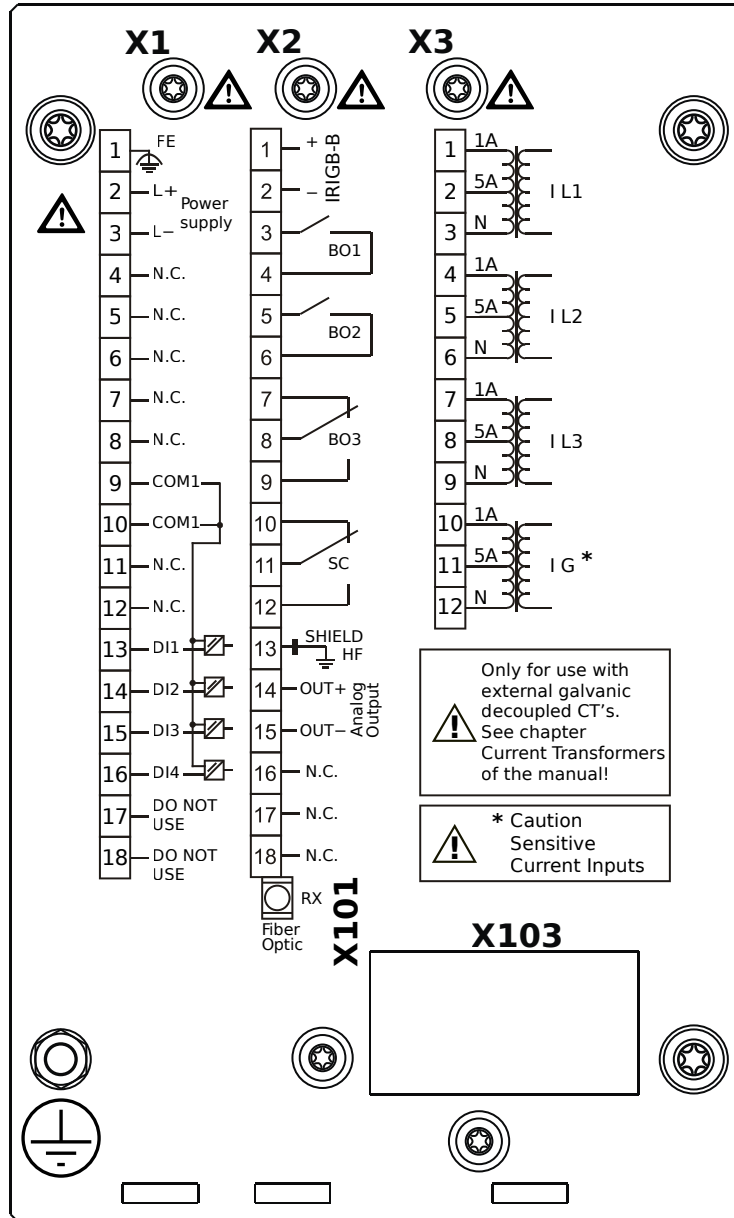
X3 – TI: Standard current measuring card

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

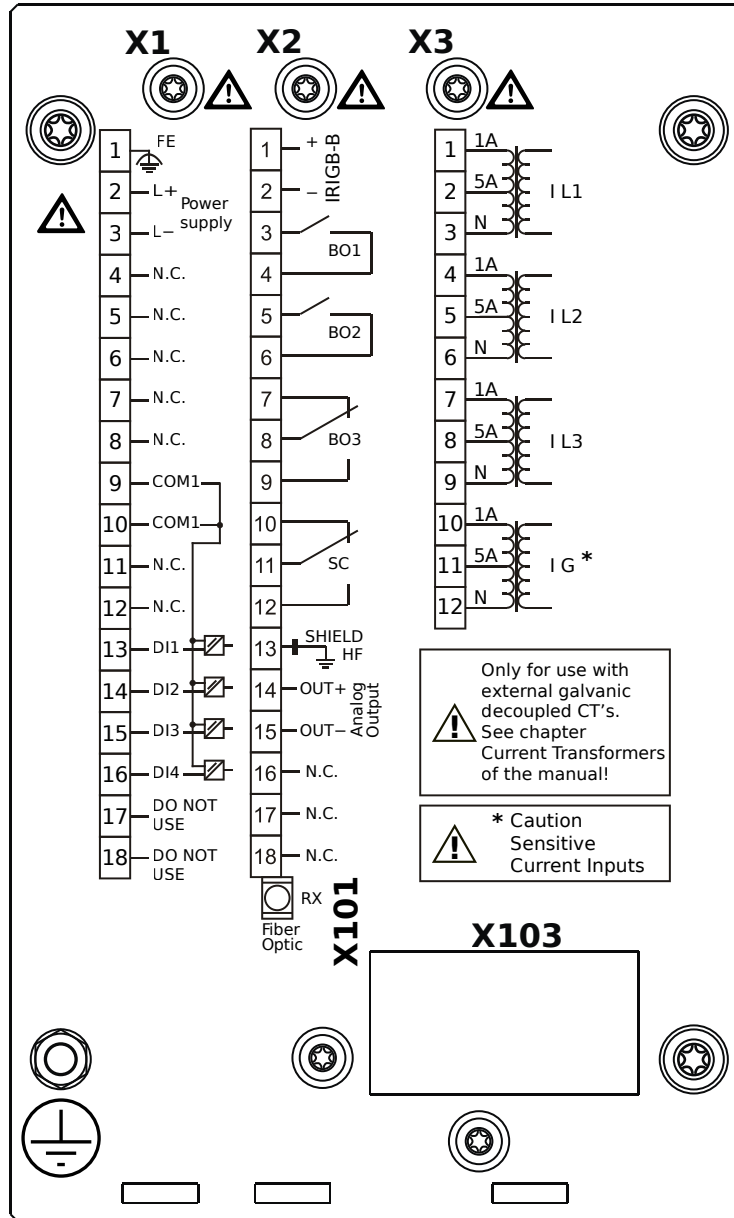
MRM4-2B1AAA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B1AAB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

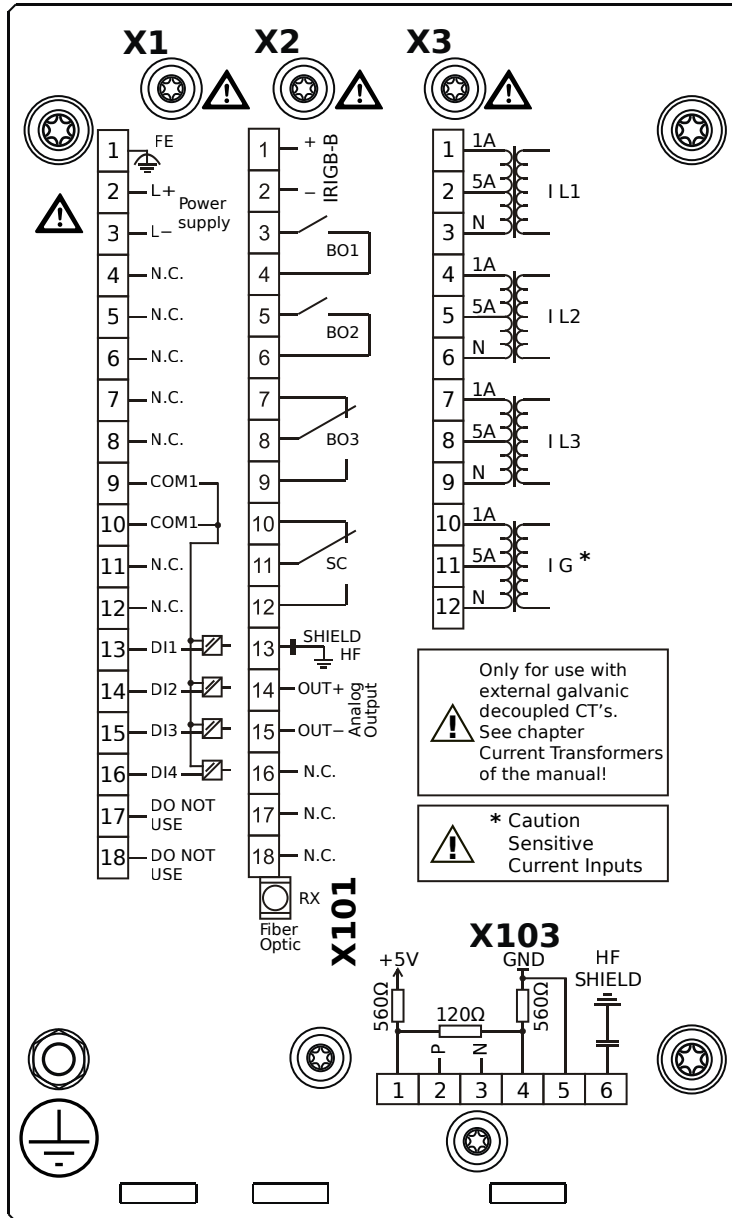
X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

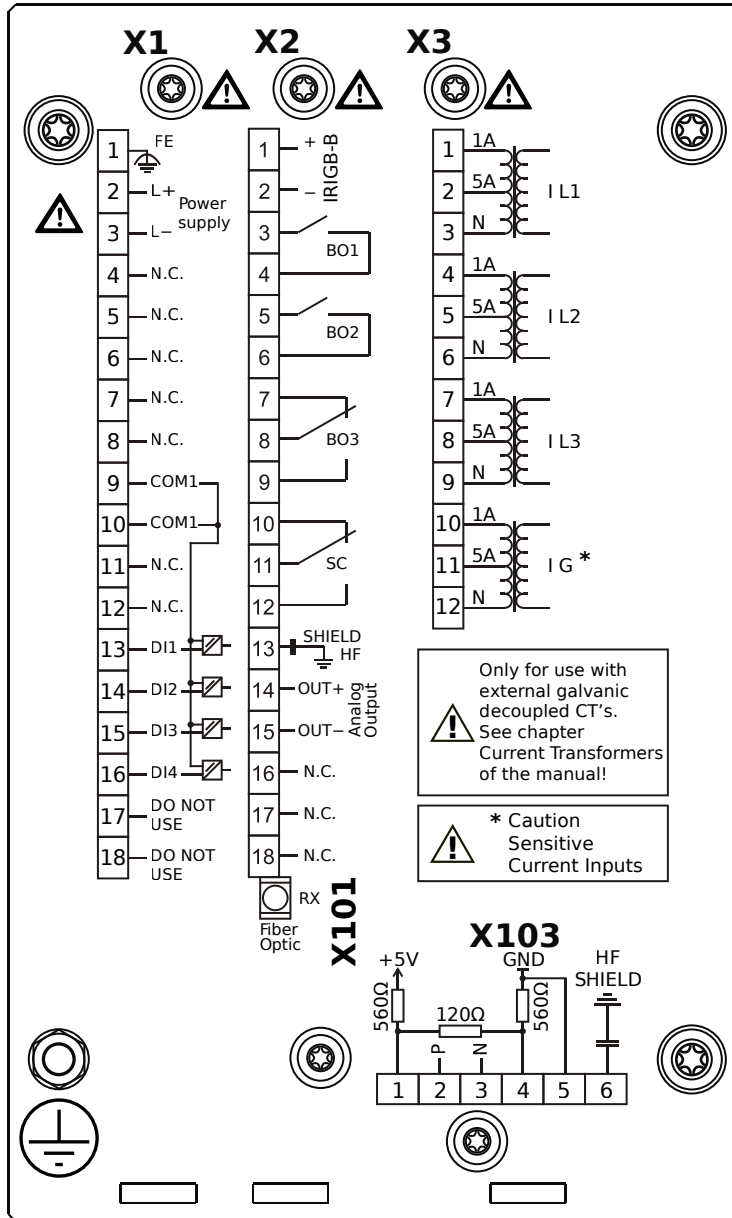
MRM4-2B1ABA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

MRM4-2B1ABB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

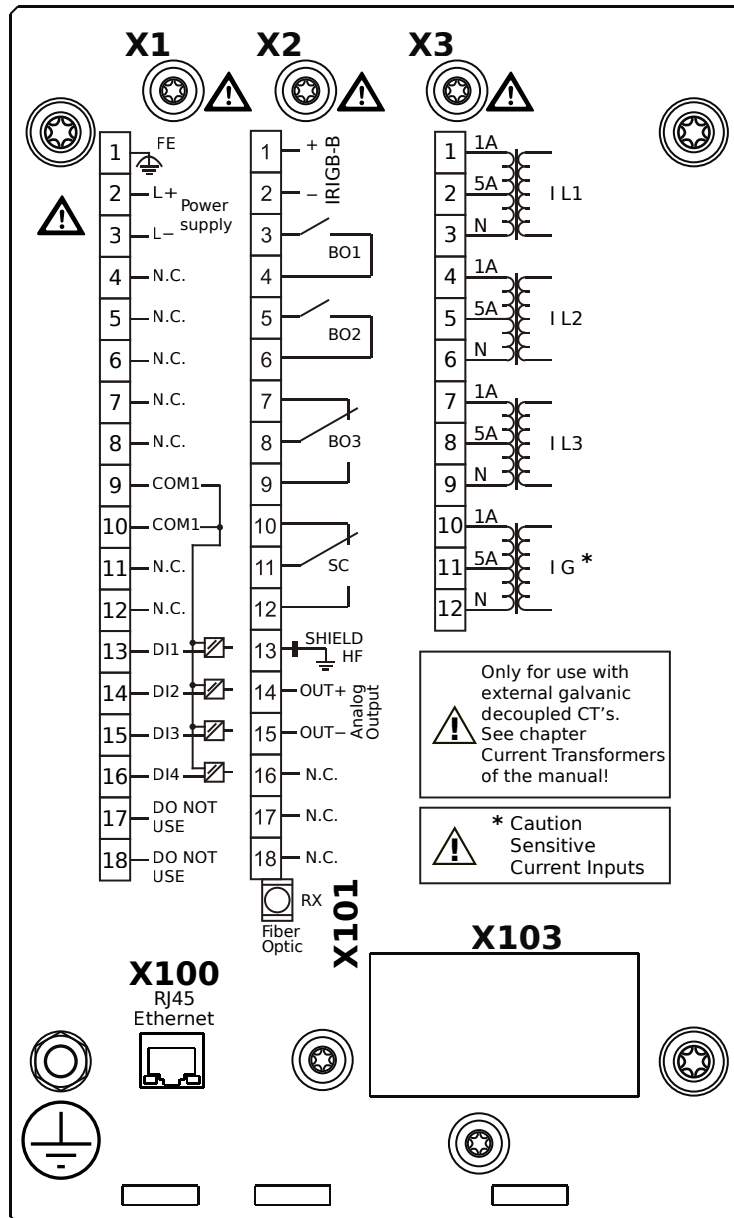
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

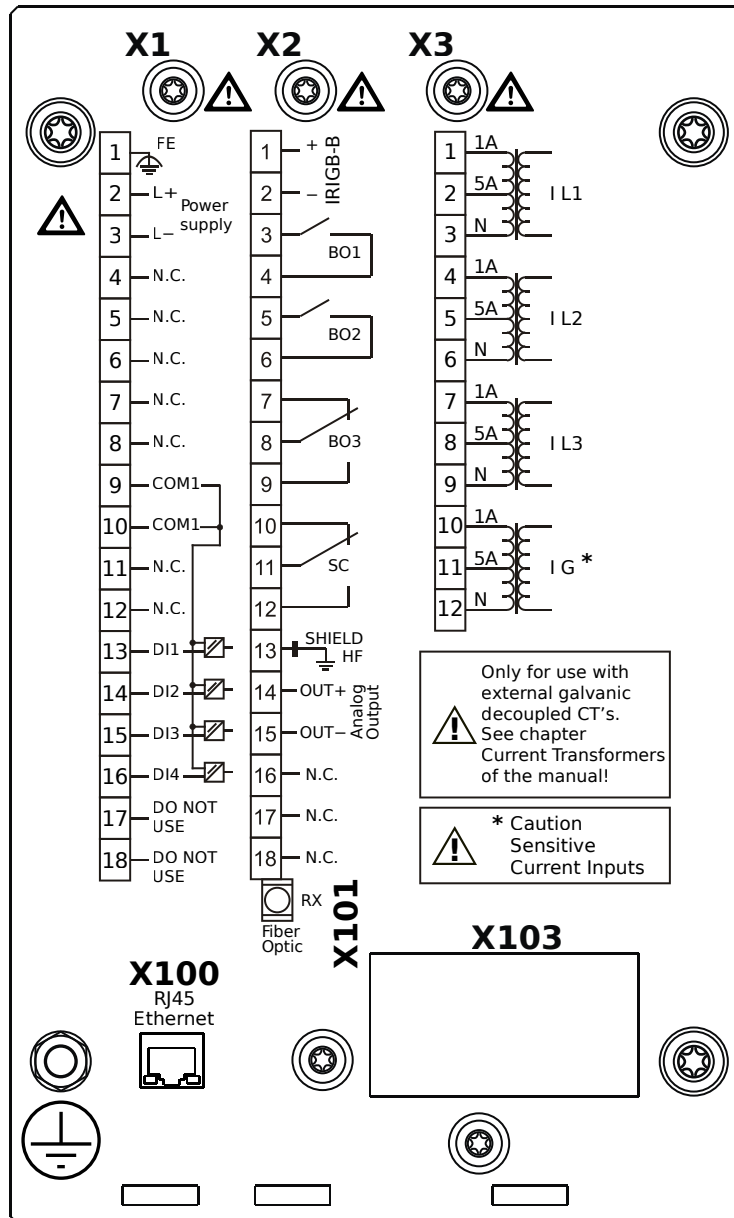
MRM4-2B1ACA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B1ACB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

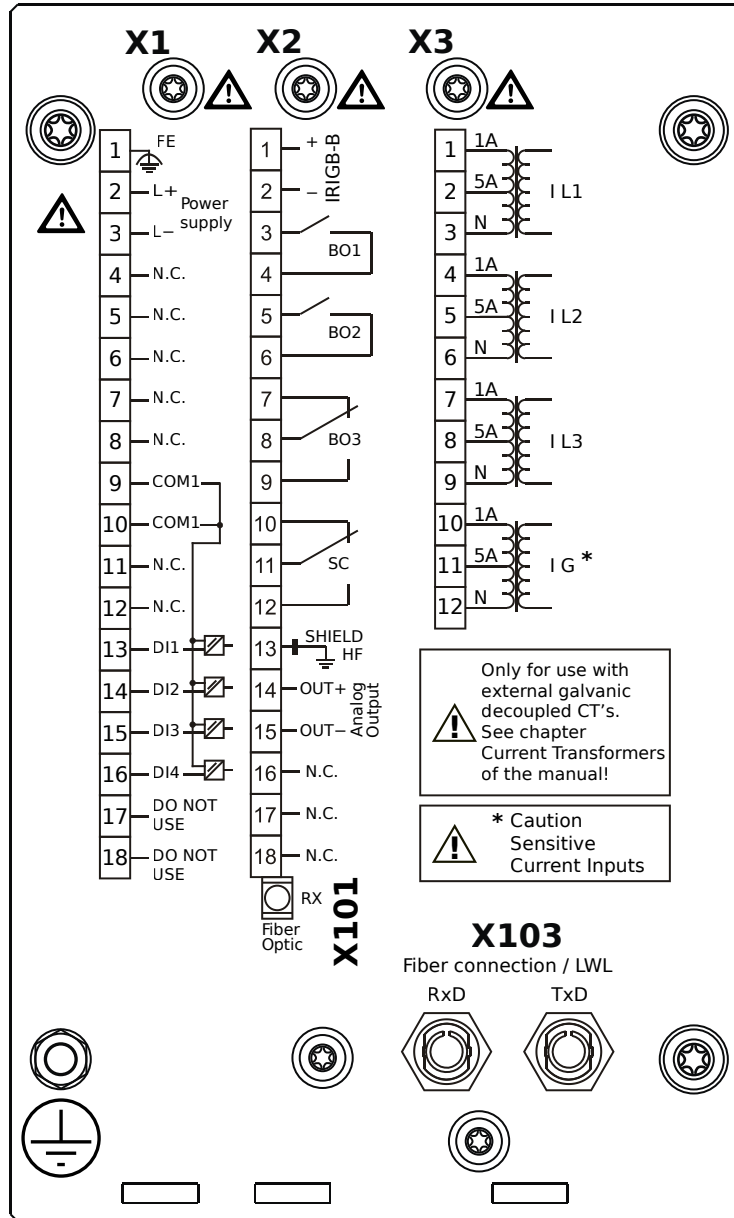
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B1ADA



Housing B1, small display, door mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

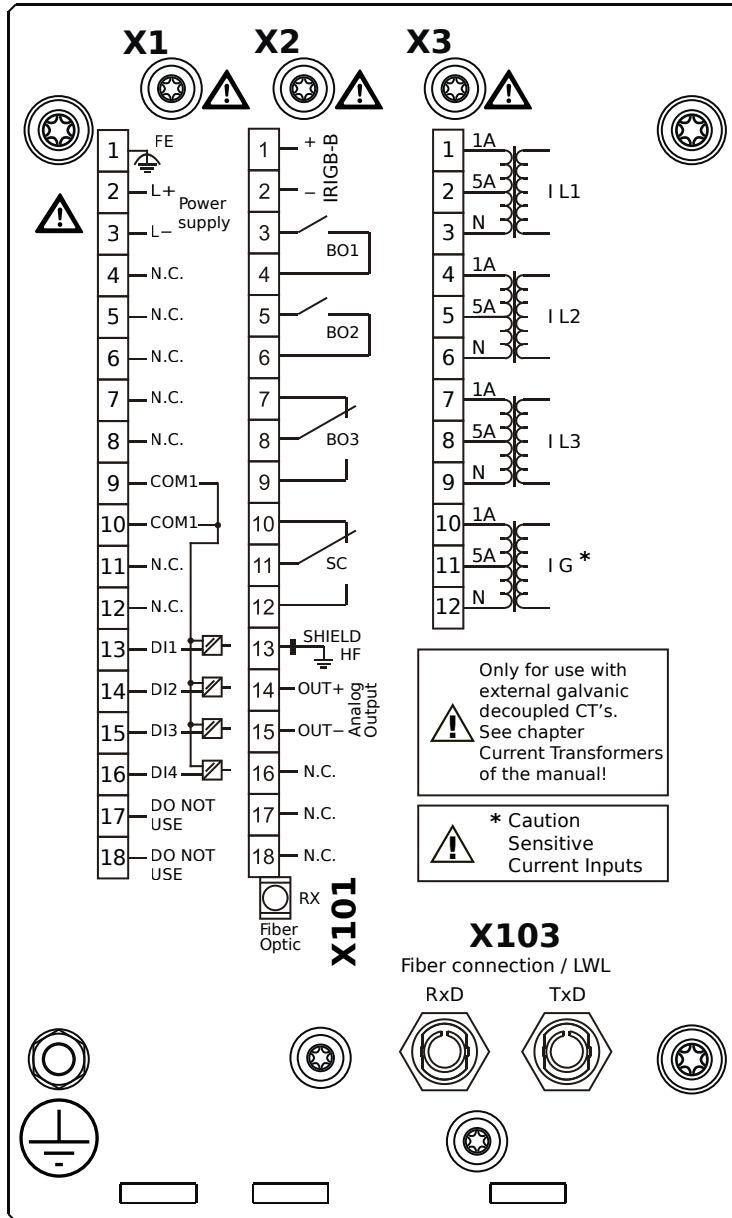
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, Fiber optics interface, ST Connector

MRM4-2B1ADB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

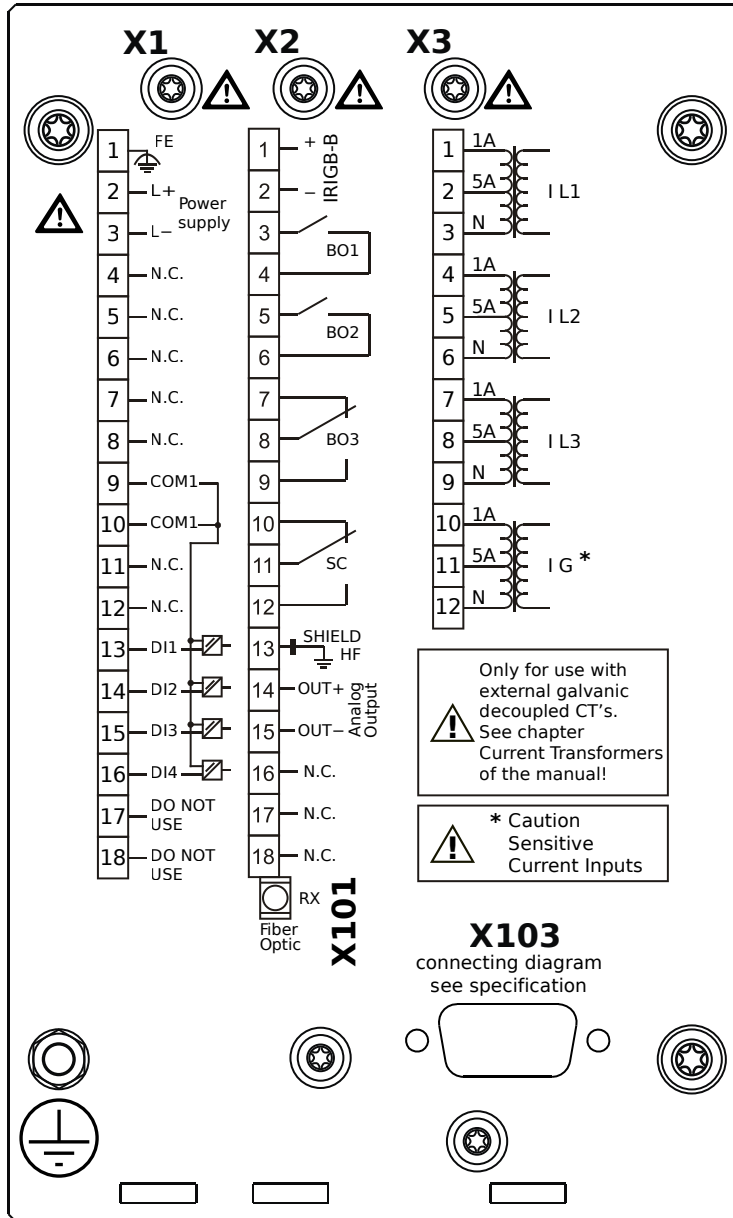
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, Fiber optics interface, ST Connector

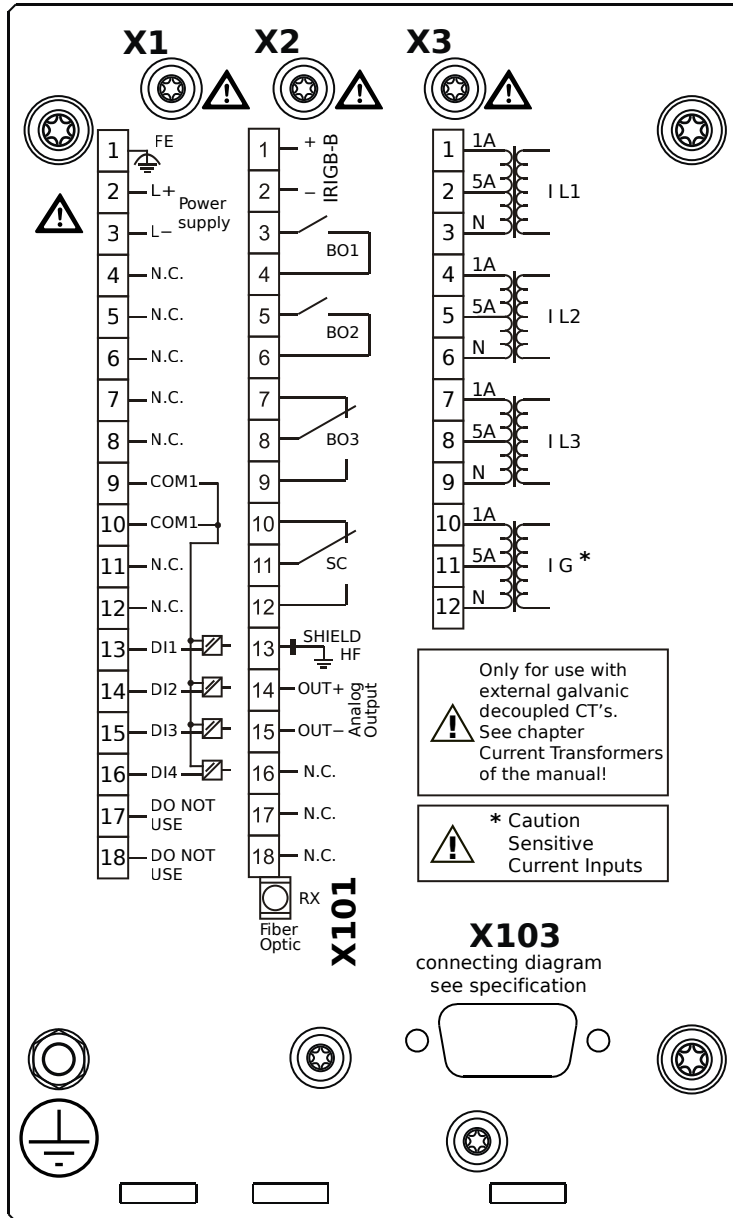
MRM4-2B1AEA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, RS485, D-SUB

MRM4-2B1AEB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

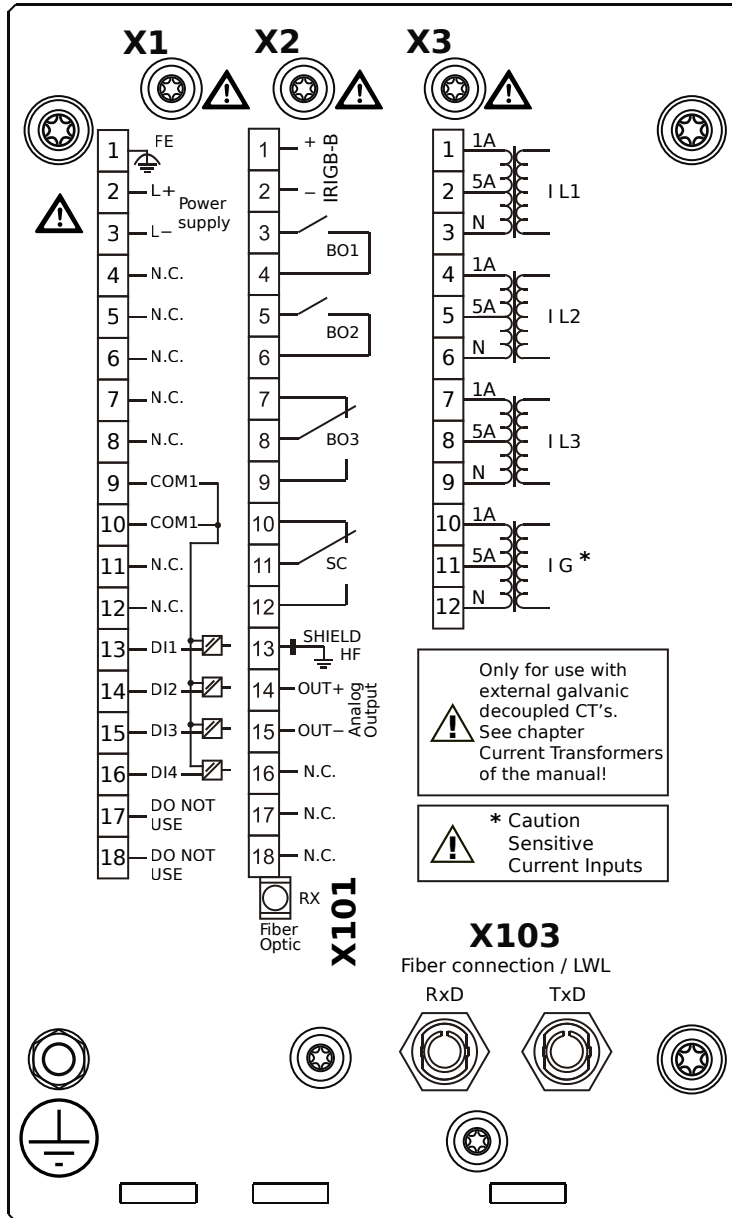
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, RS485, D-SUB

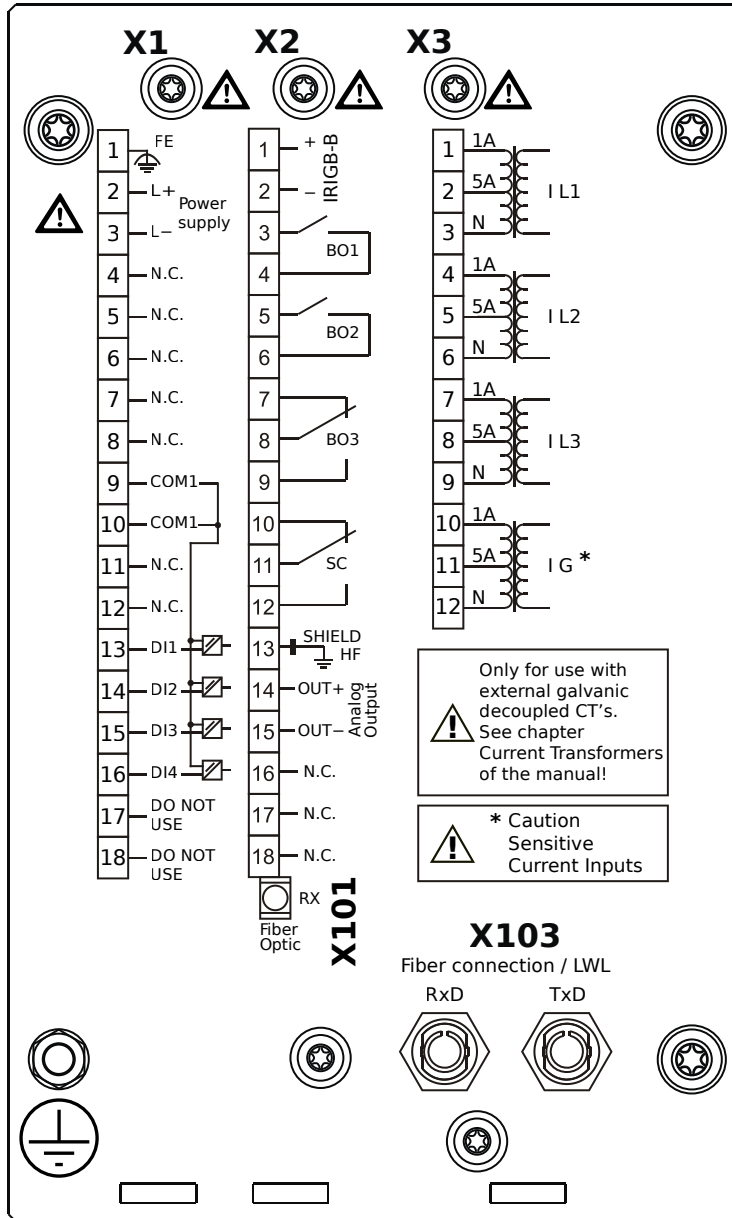
MRM4-2B1AFA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

MRM4-2B1AFB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

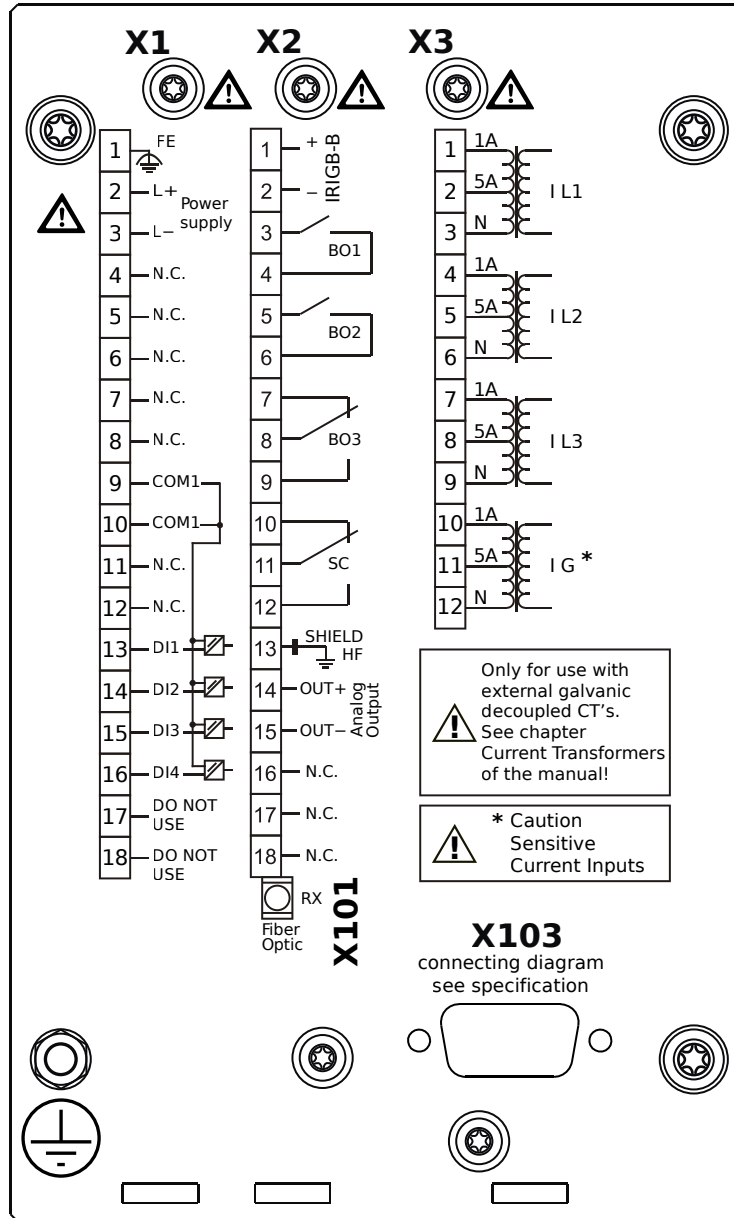
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

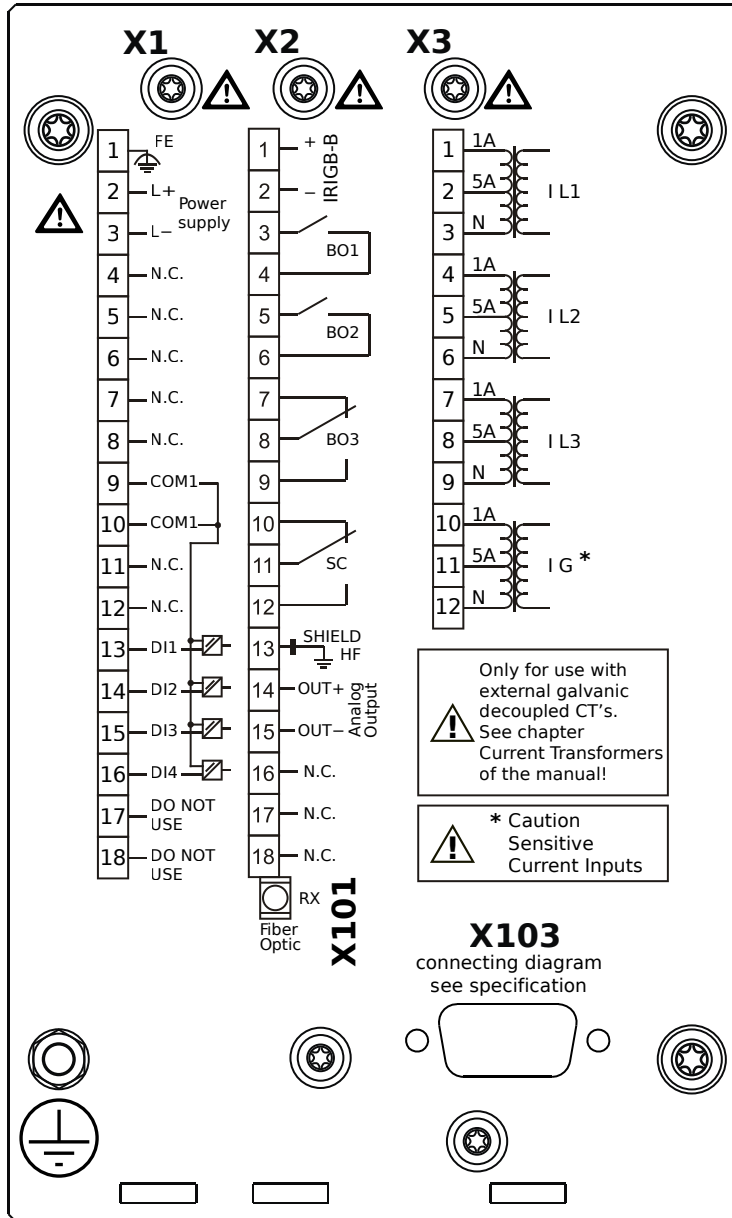
MRM4-2B1AGA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

MRM4-2B1AGB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

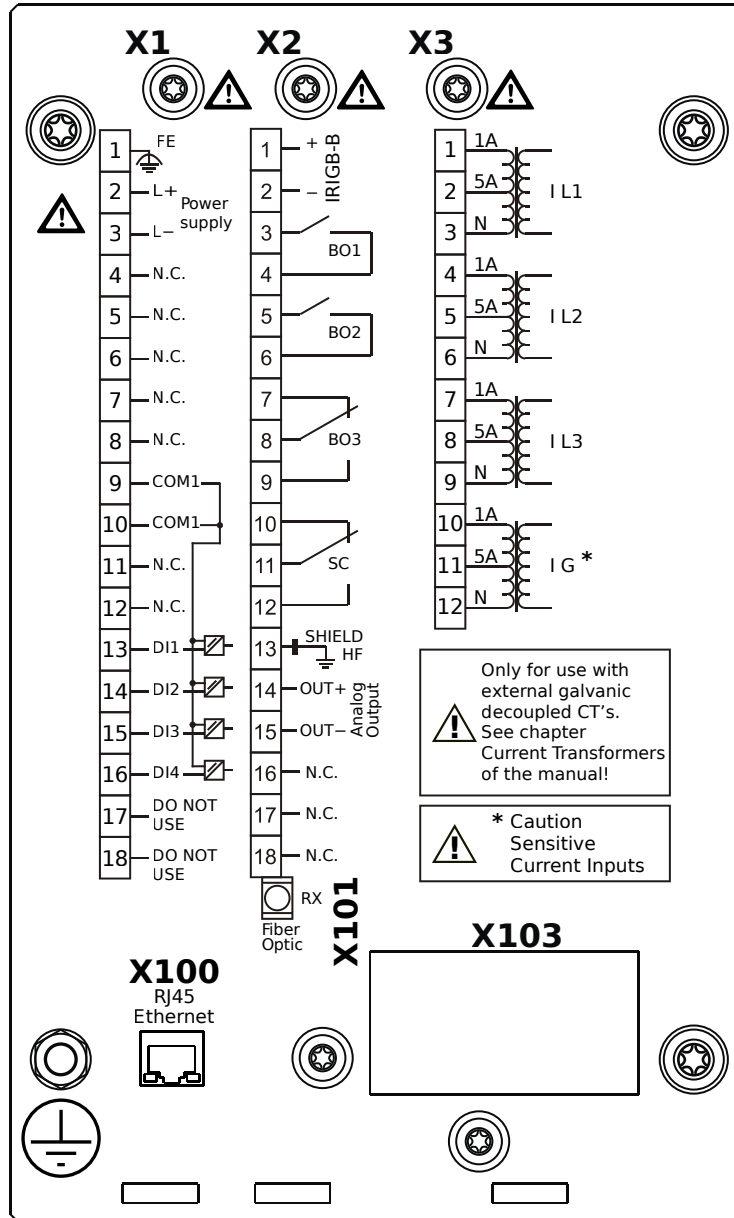
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

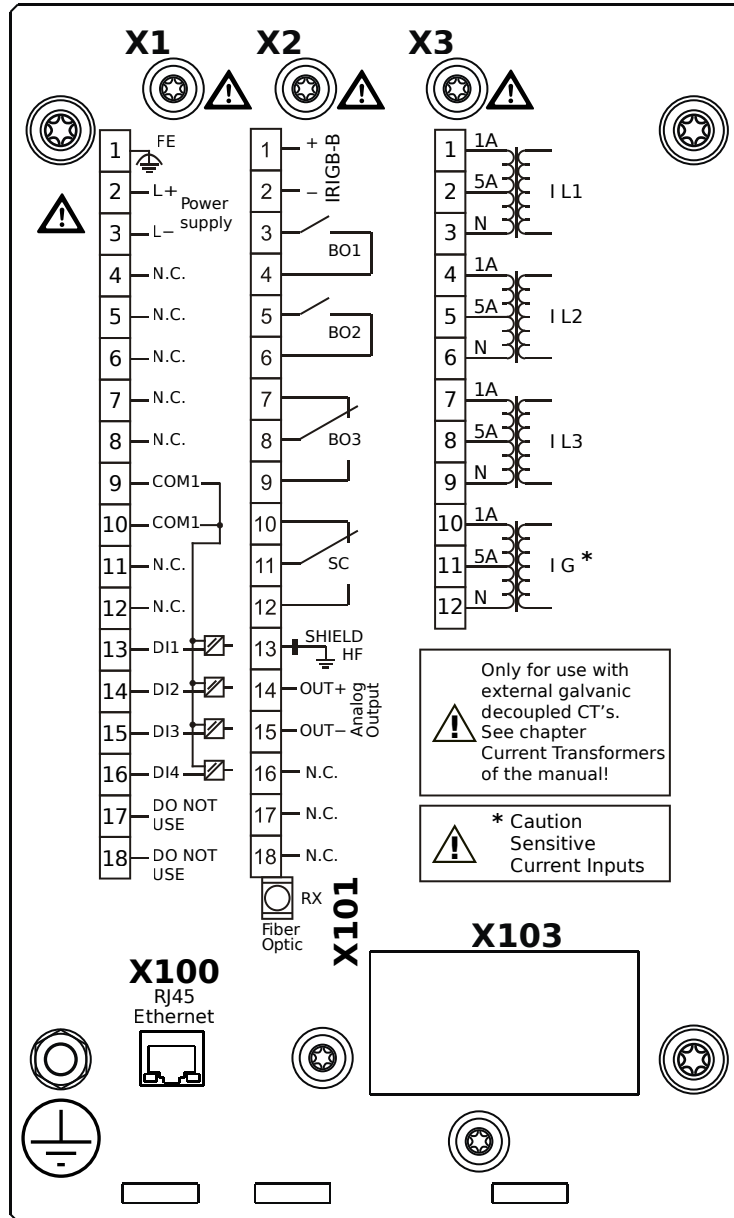
MRM4-2B1AHA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B1AHB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

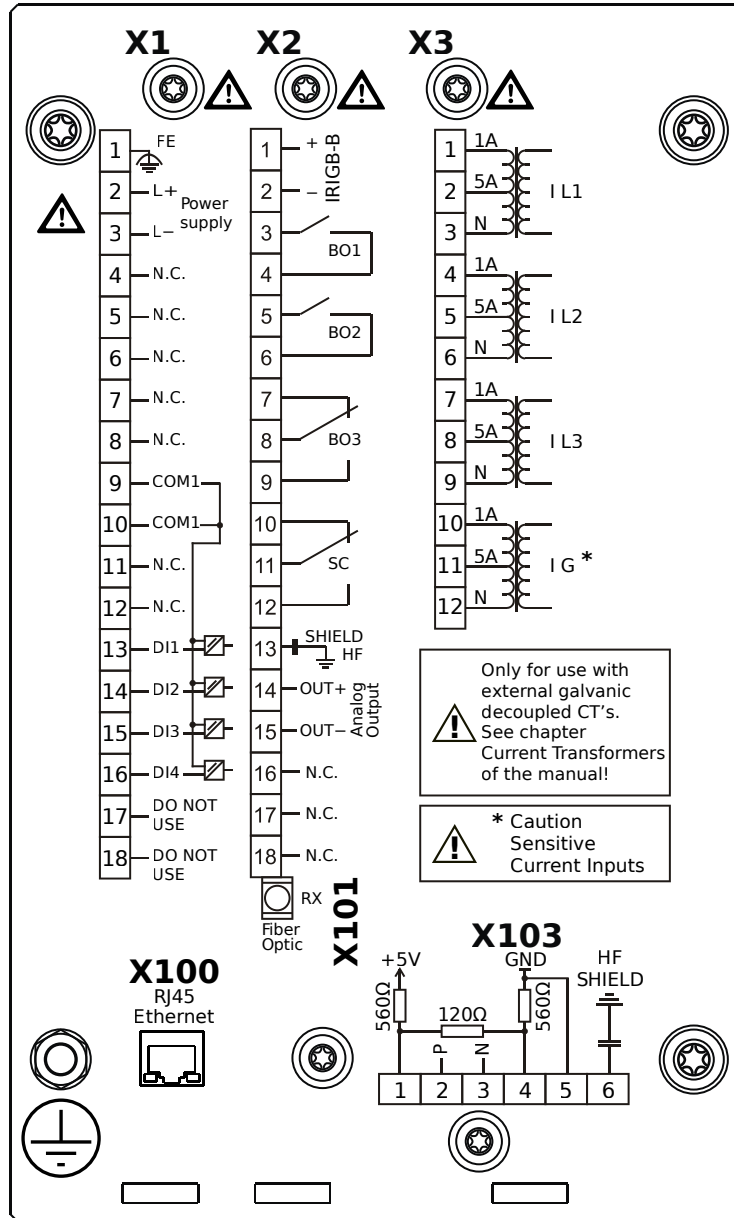
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

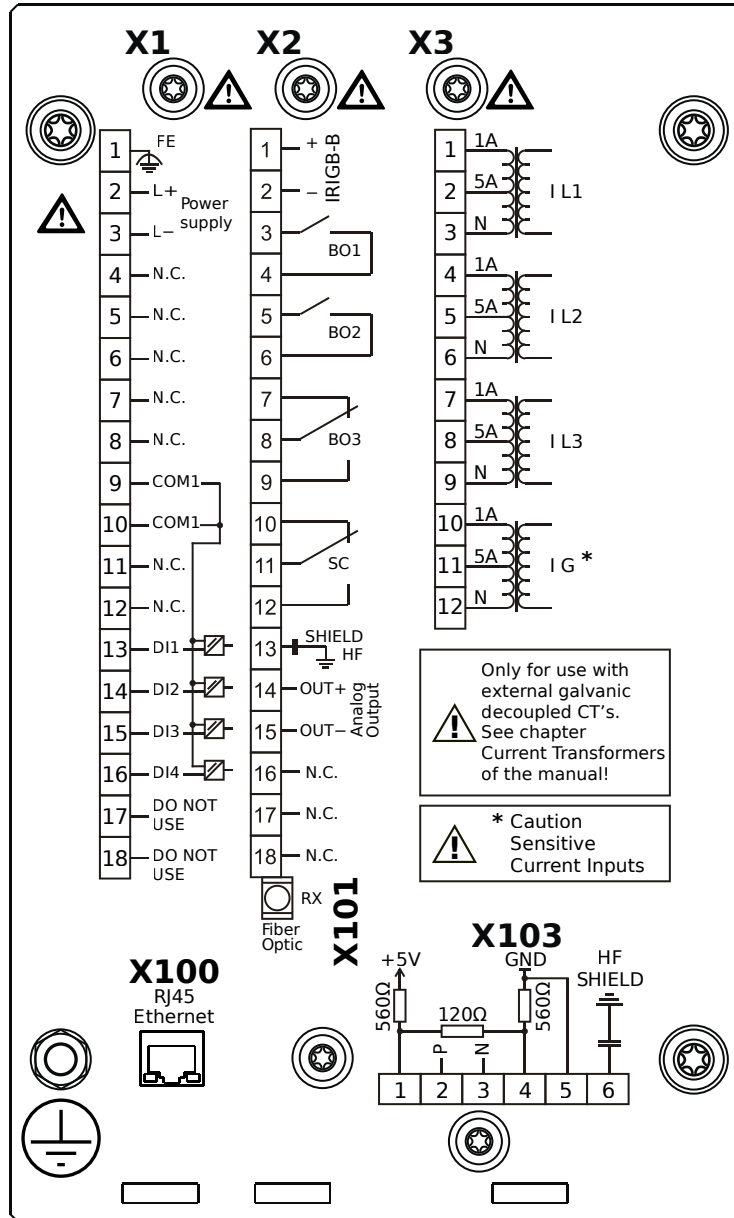
MRM4-2B1AIA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

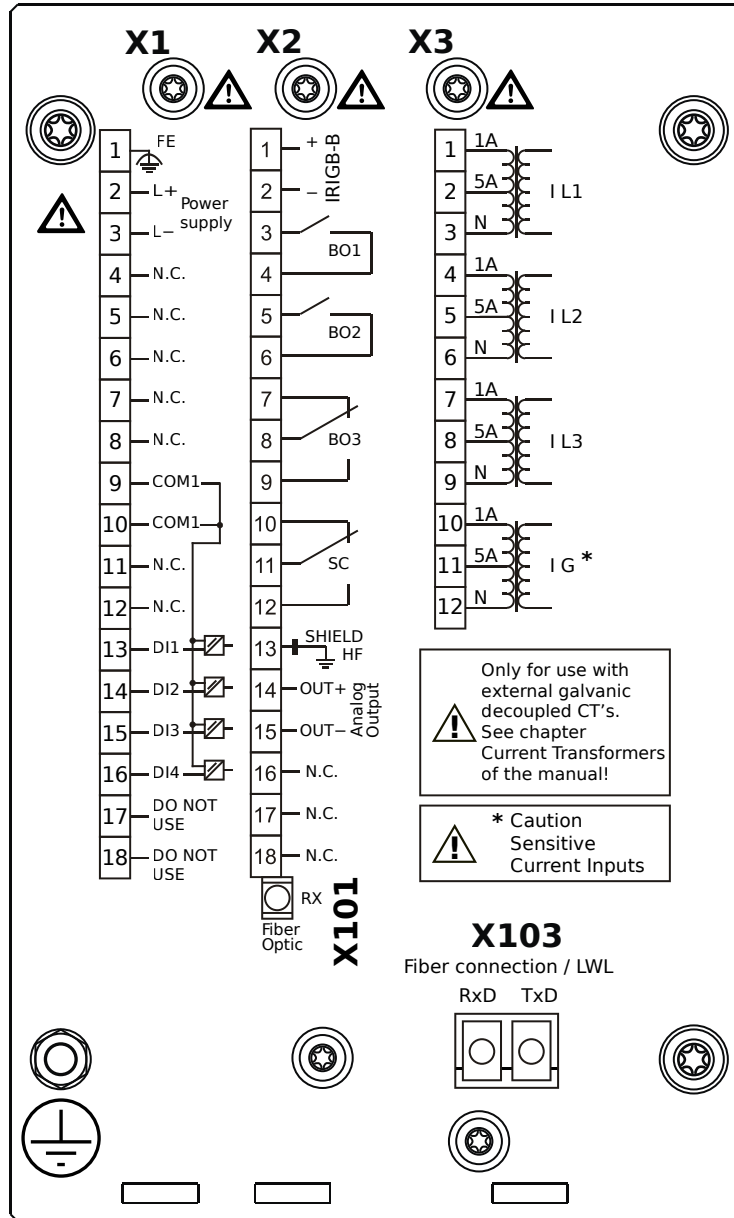
MRM4-2B1AIB



Housing B1, small display, door mounting

- + Conformal Coating (for installations in harsh environment)
- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

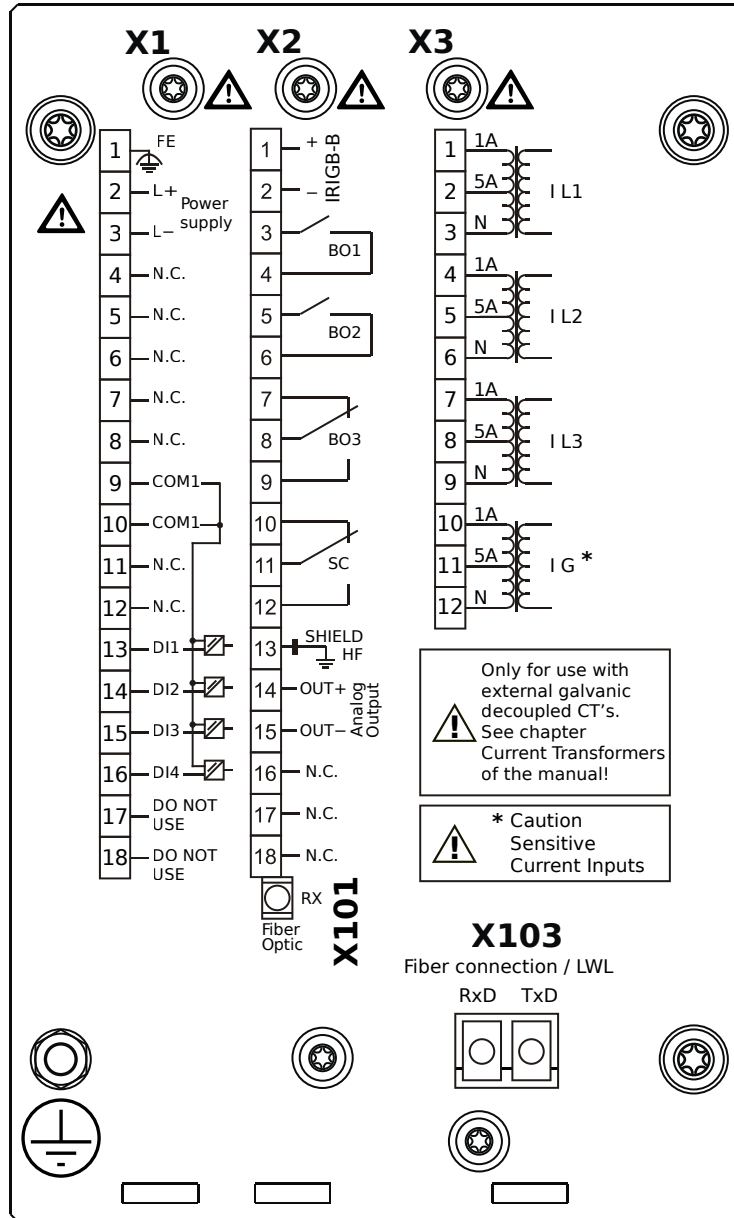
MRM4-2B1AKA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2B1AKB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

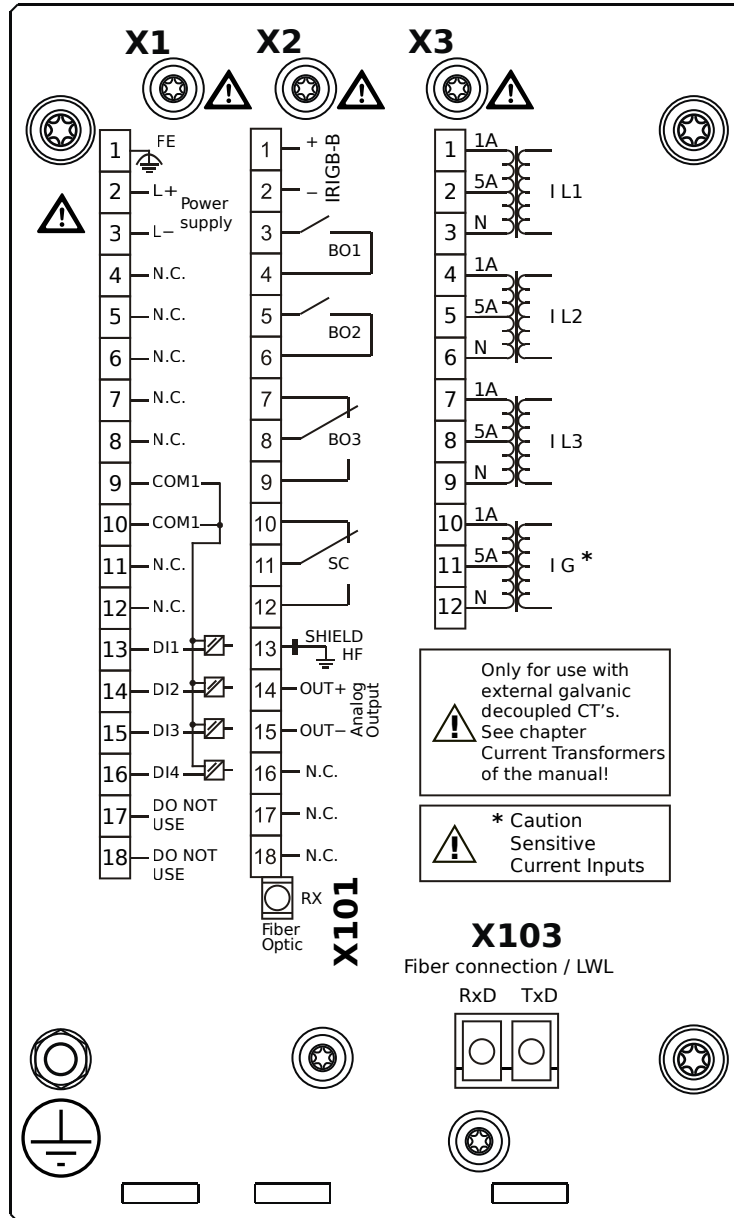
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

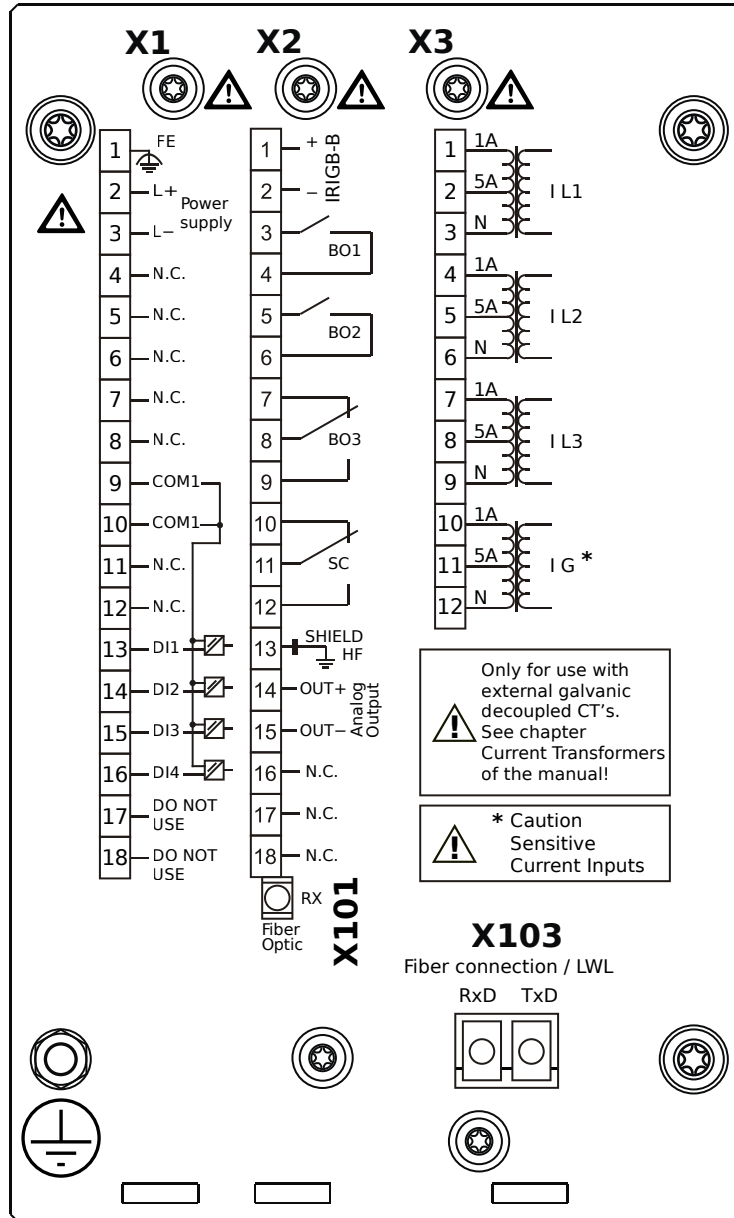
MRM4-2B1ALA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2B1ALB



Housing B1, small display, door mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

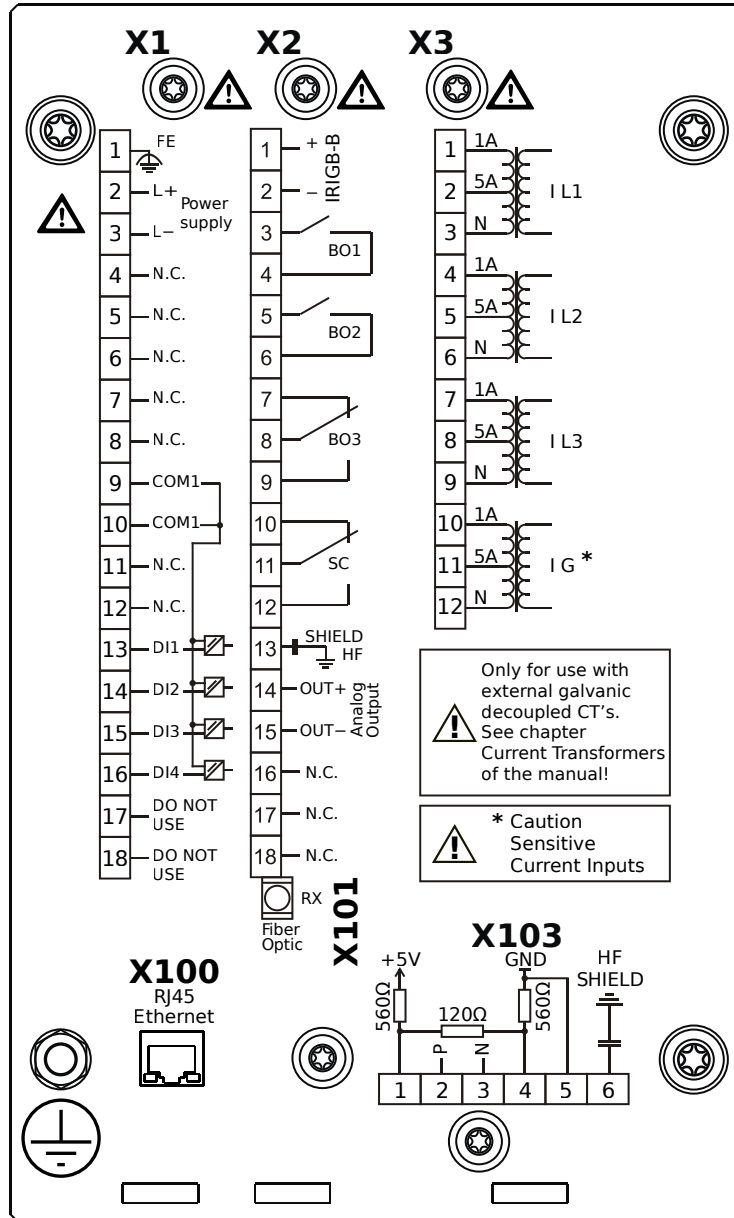
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

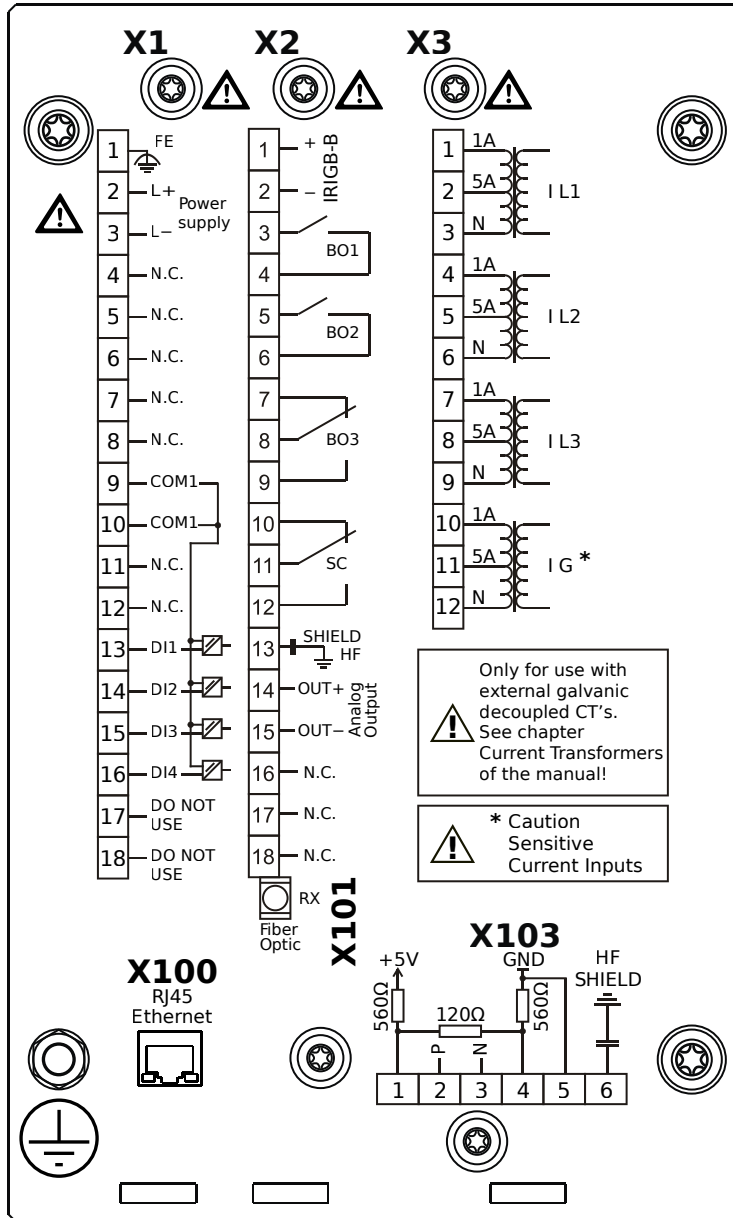
MRM4-2B1ATA



Housing B1, small display, door mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

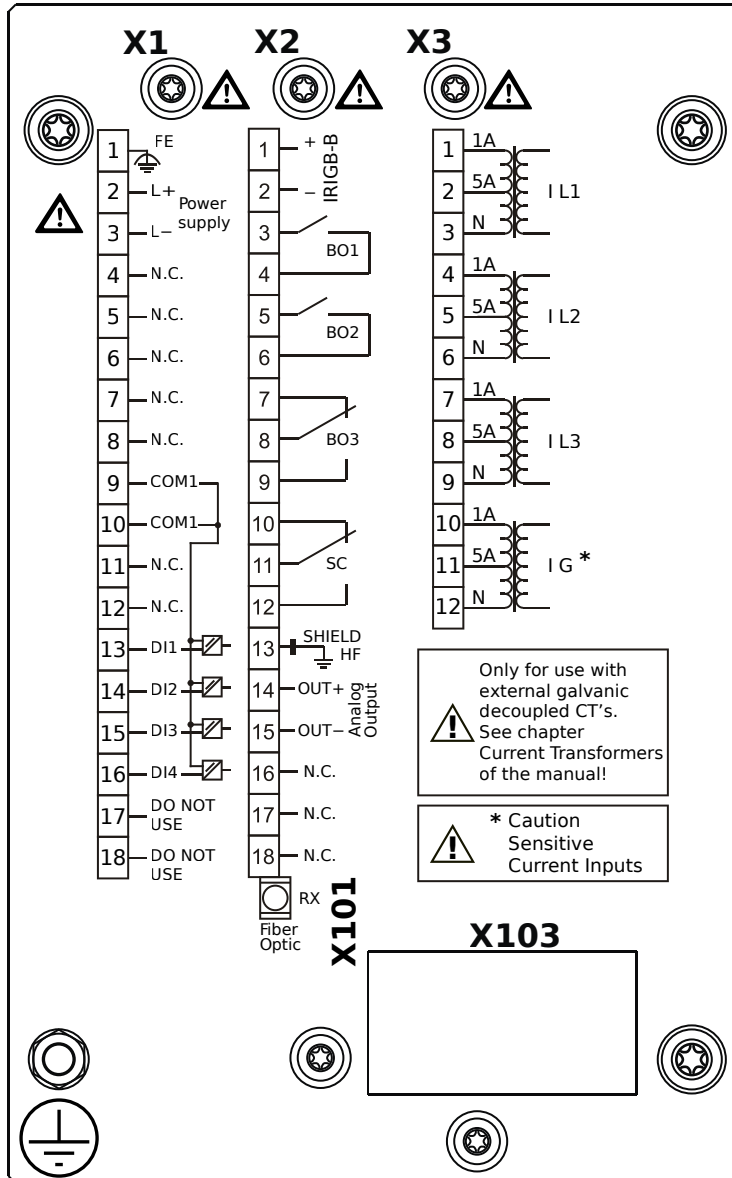
MRM4-2B1ATB



Housing B1, small display, door mounting

- + Conformal Coating (for installations in harsh environment)
- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

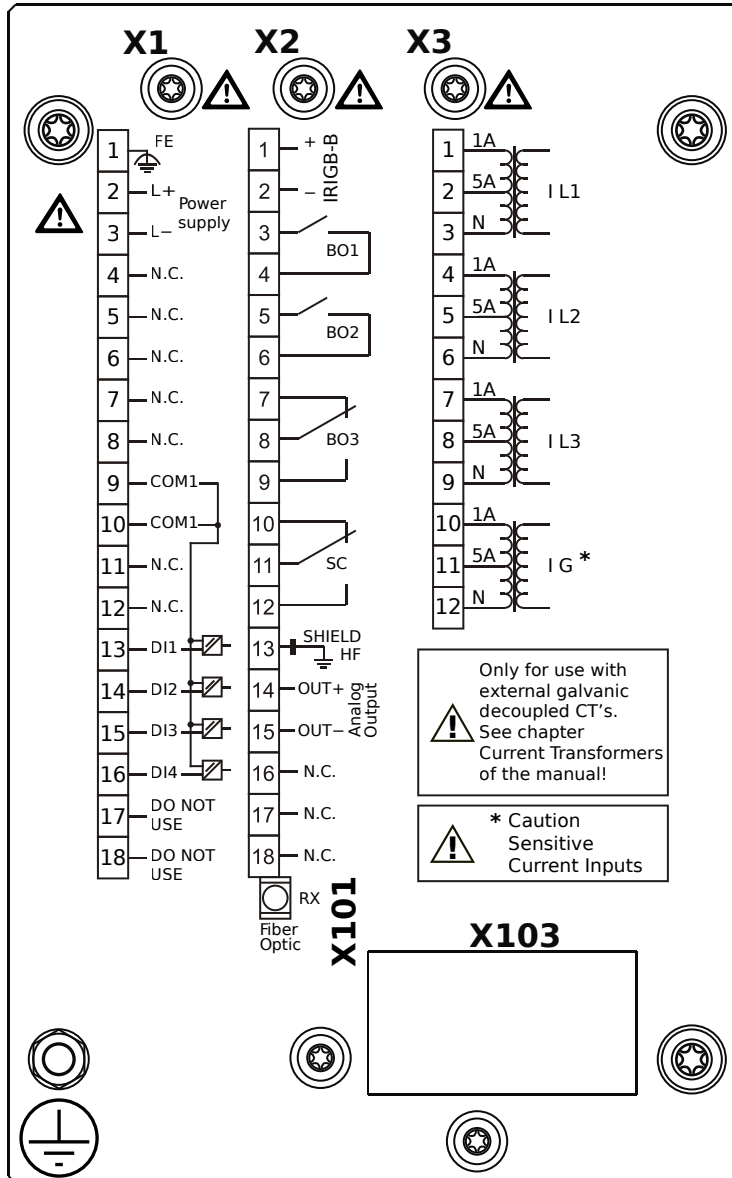
MRM4-2B1BAA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B1BAB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

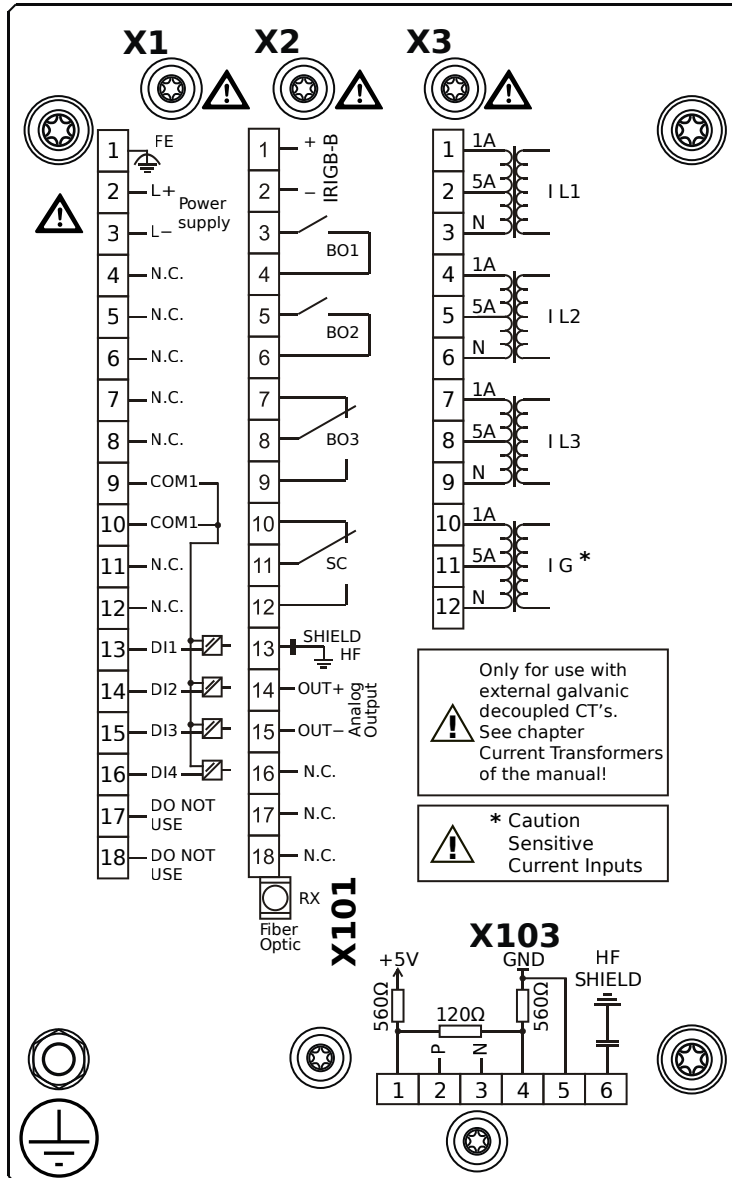
X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

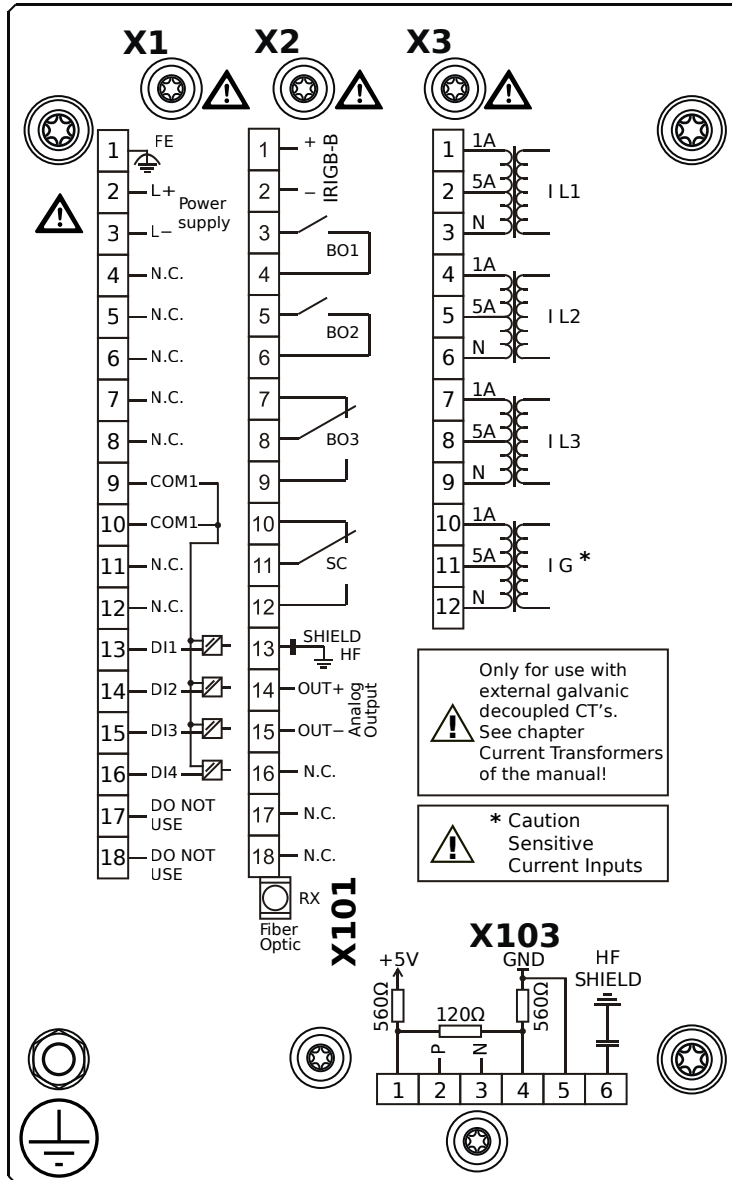
MRM4-2B1BBA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

MRM4-2B1BBB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

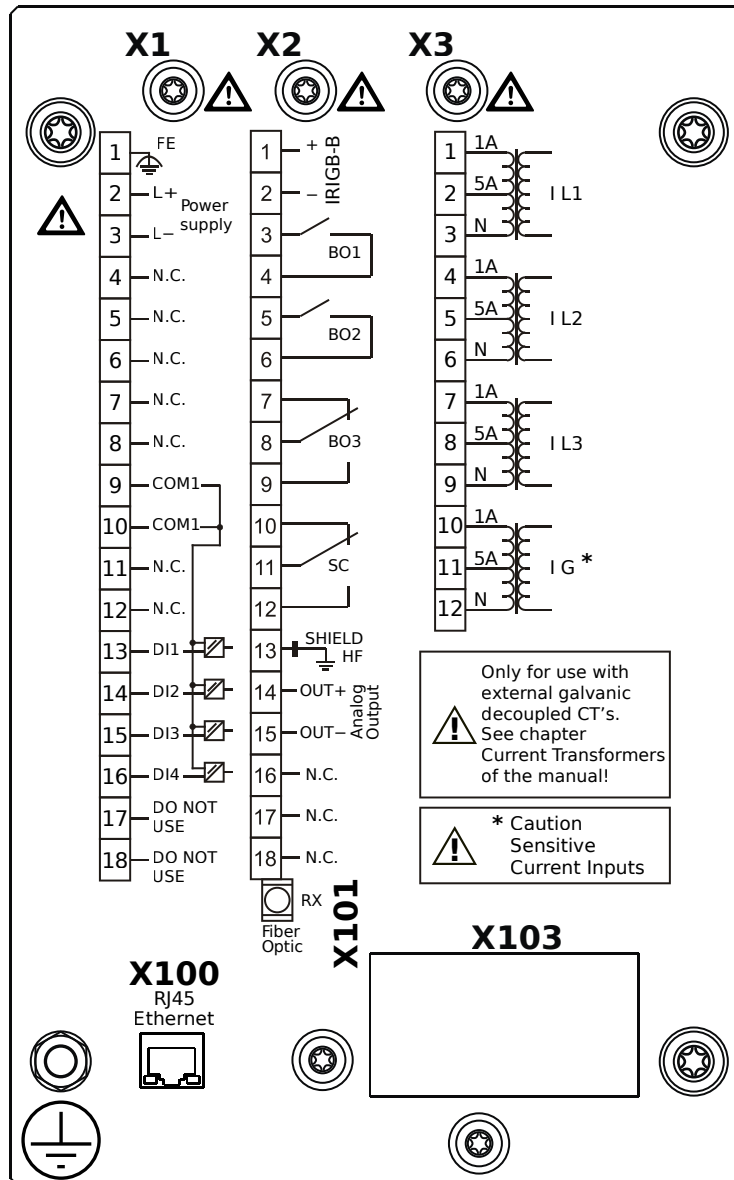
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, Terminals

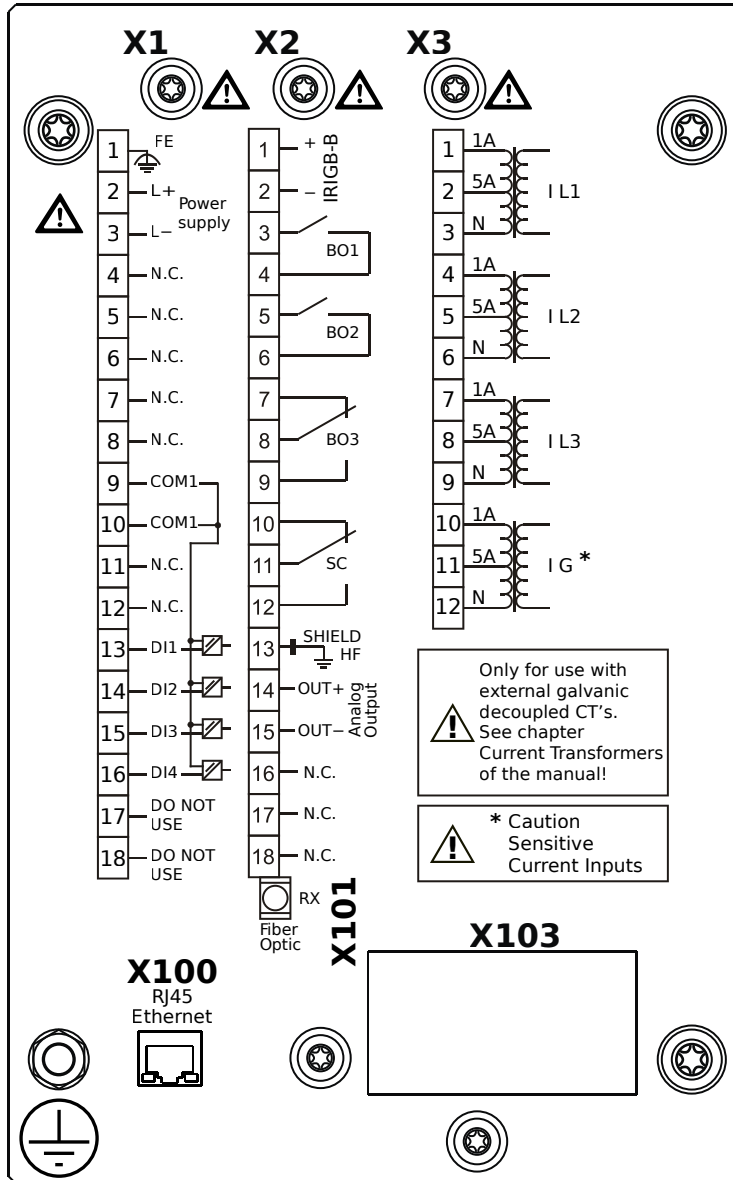
MRM4-2B1BCA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B1BCB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

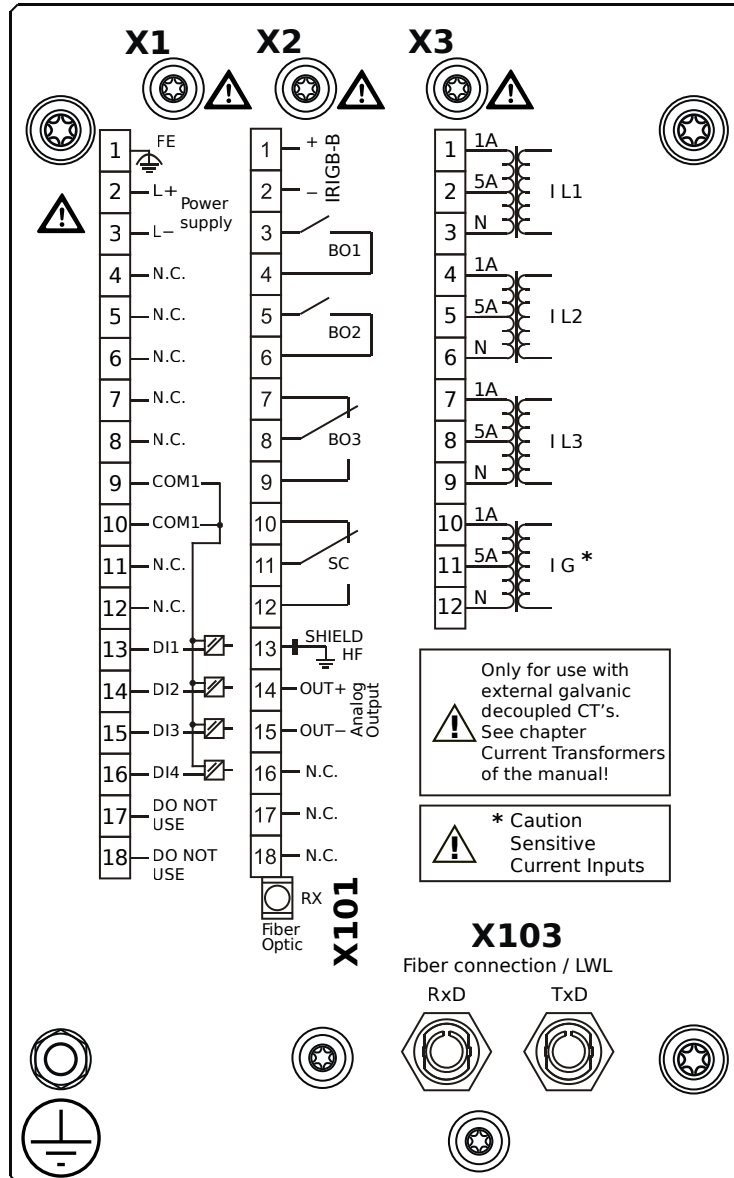
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

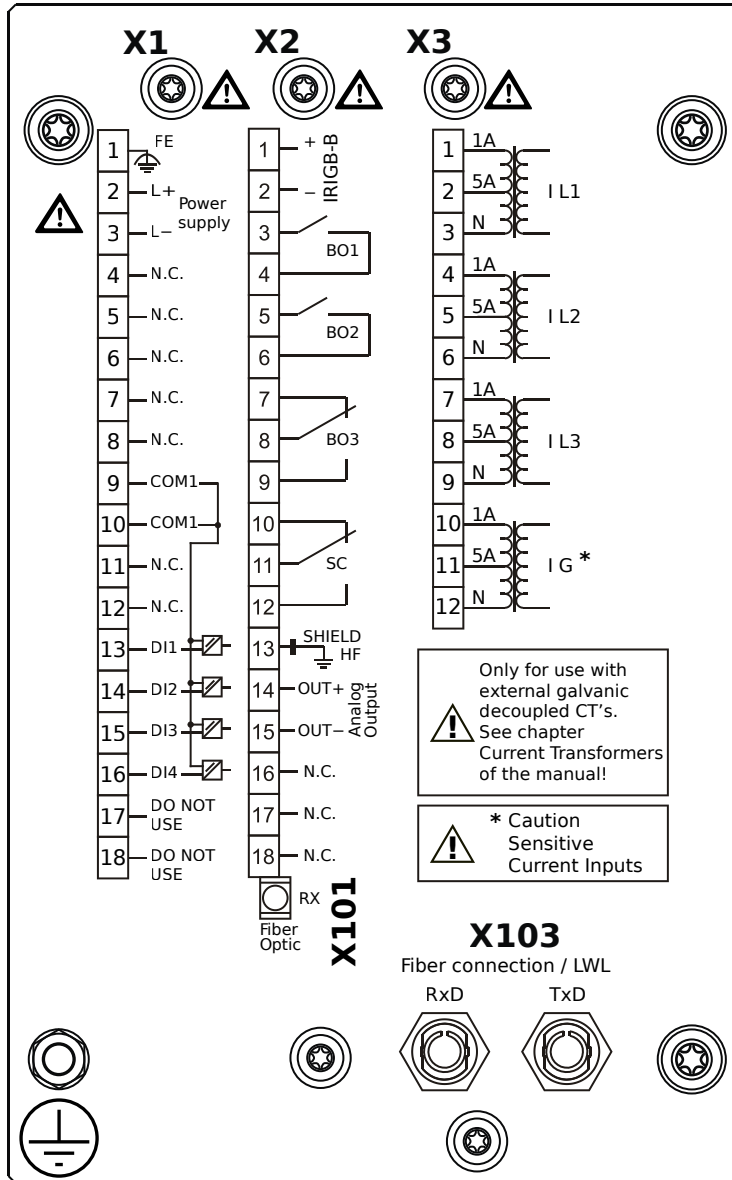
MRM4-2B1BDA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Profibus-DP, Fiber optics interface, ST Connector

MRM4-2B1BDB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

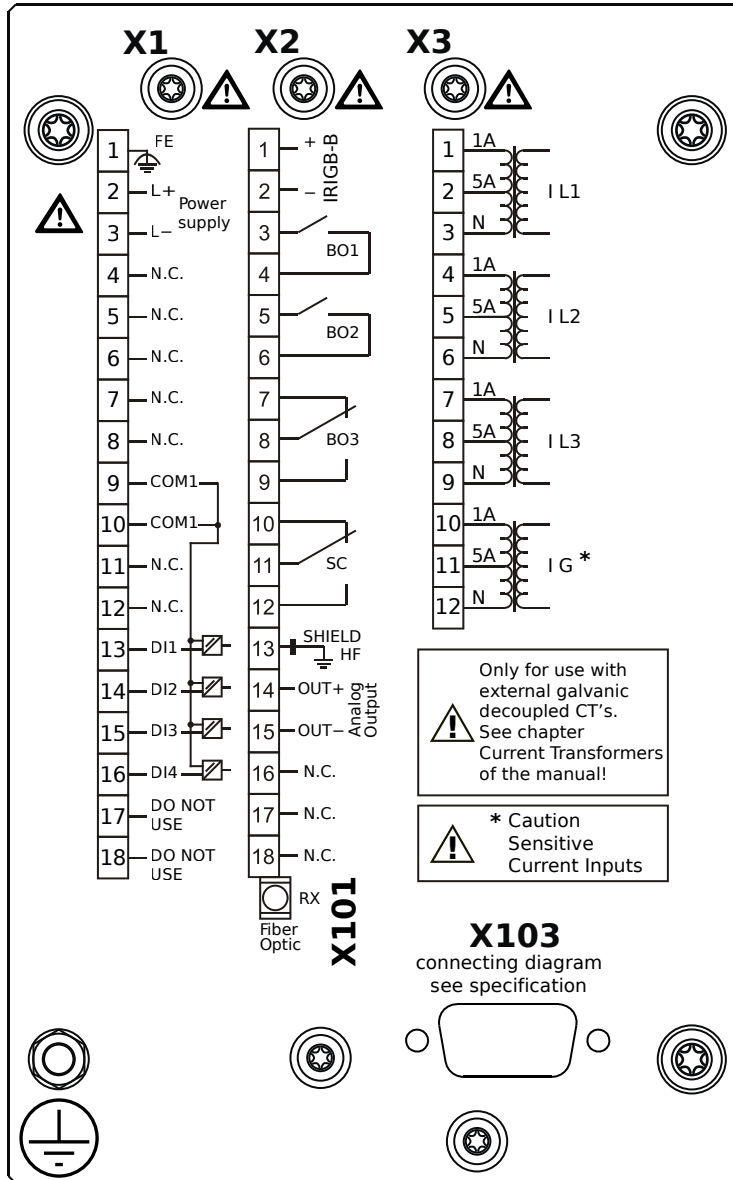
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, Fiber optics interface, ST Connector

MRM4-2B1BEA



Housing B1, small display, 19" rack mounting

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

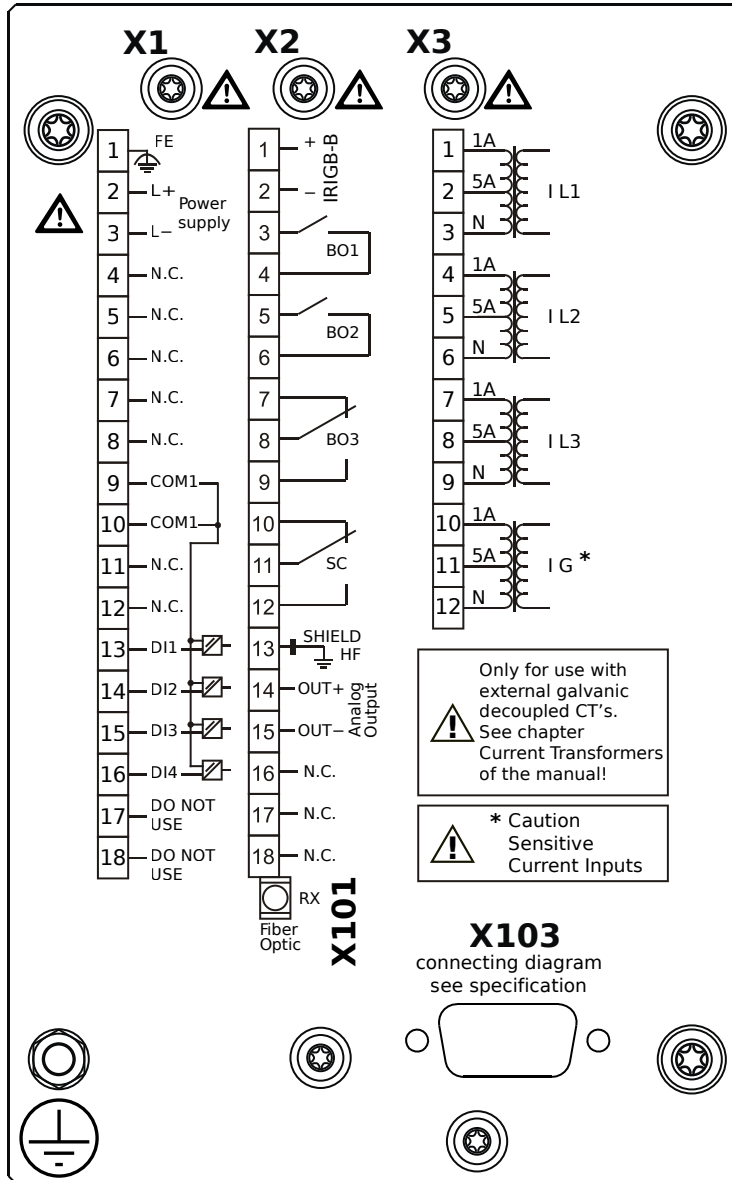
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, RS485, D-SUB

MRM4-2B1BEB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

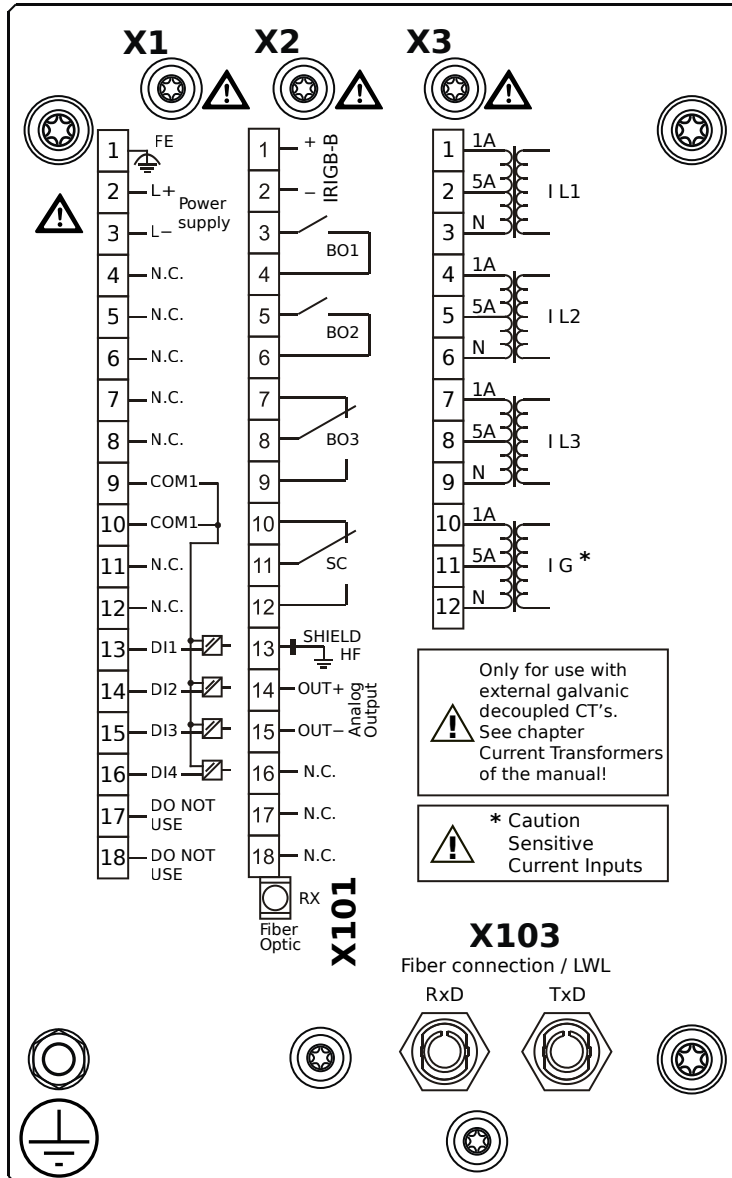
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Profibus-DP, RS485, D-SUB

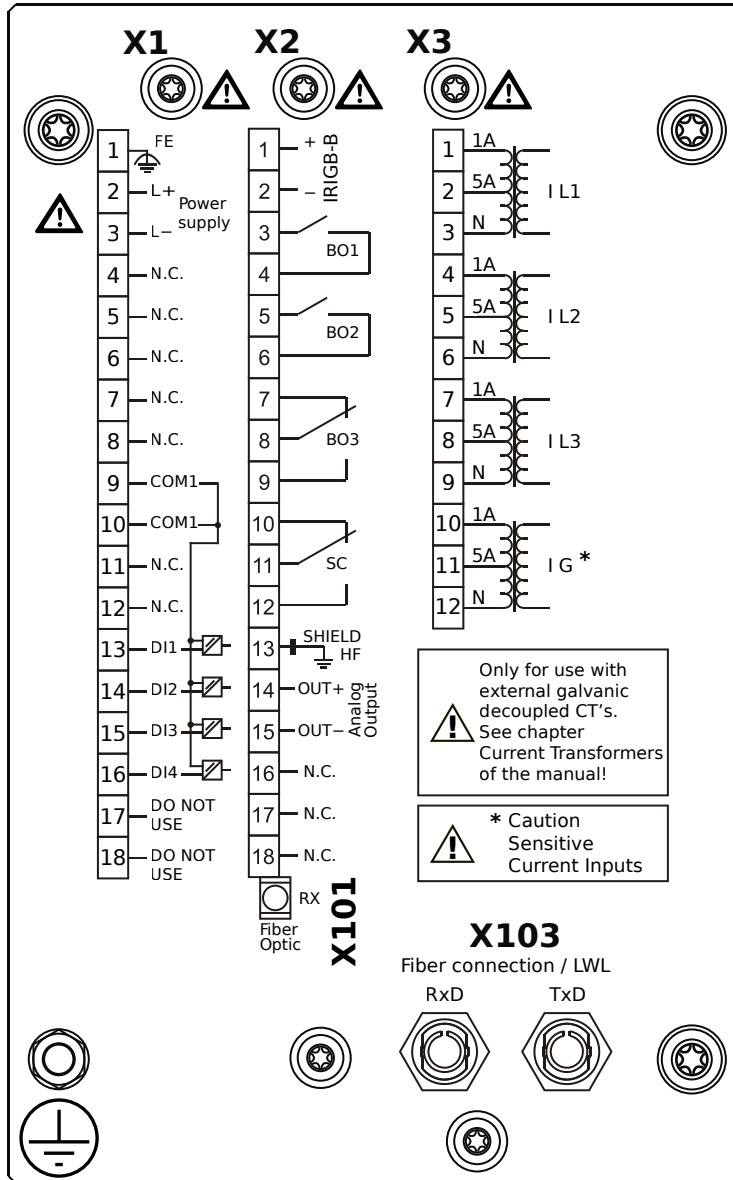
MRM4-2B1BFA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

MRM4-2B1BFB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

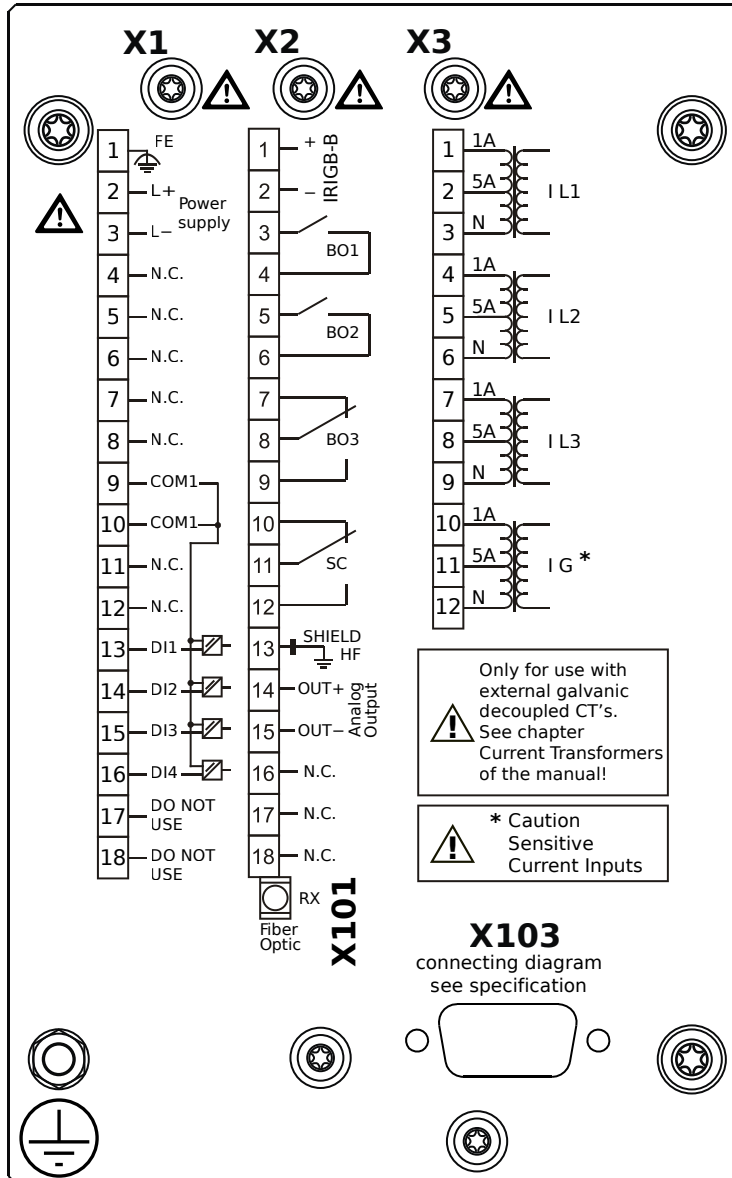
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, Fiber optics interface, ST Connector

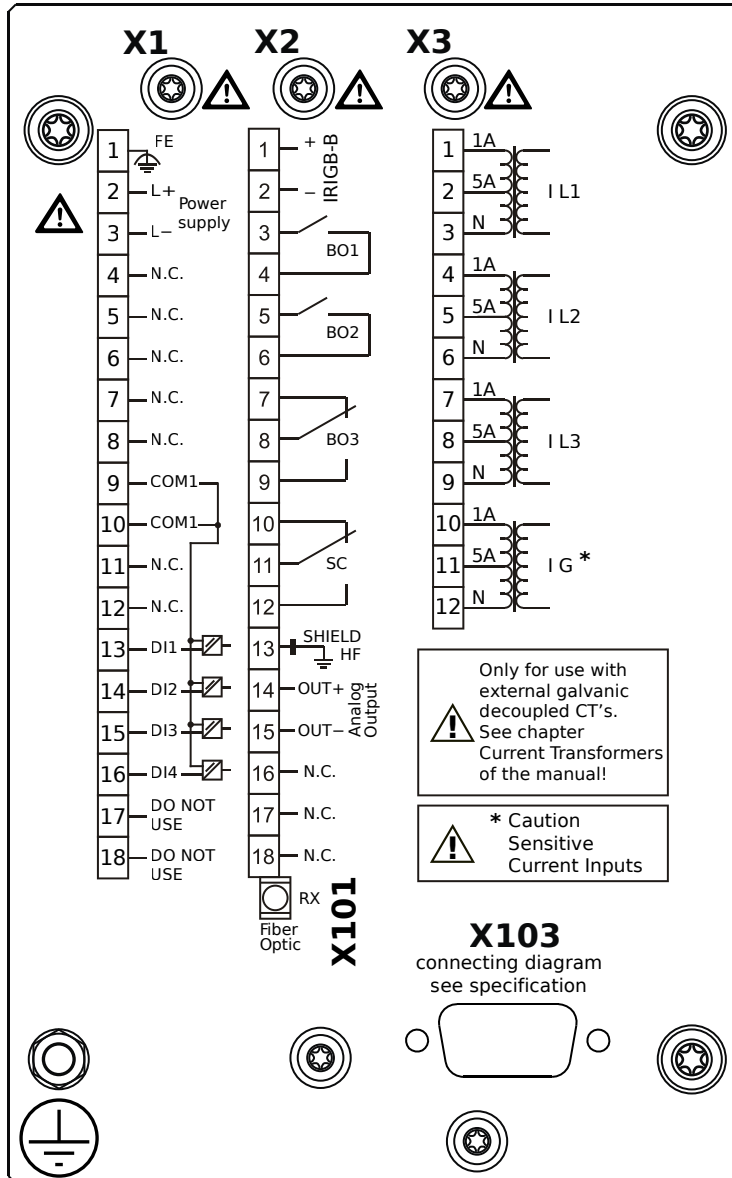
MRM4-2B1BGA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

MRM4-2B1BGB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

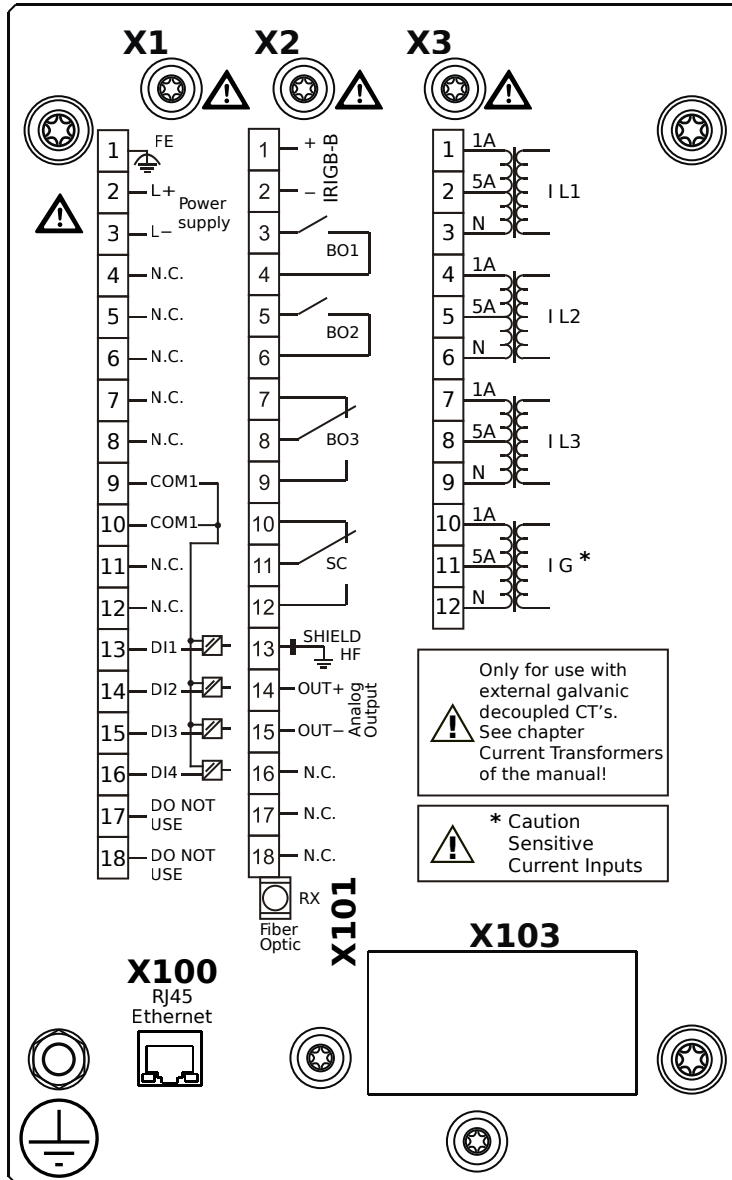
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus RTU / IEC 60870-5-103 / DNP3.0 RTU, RS485, D-SUB

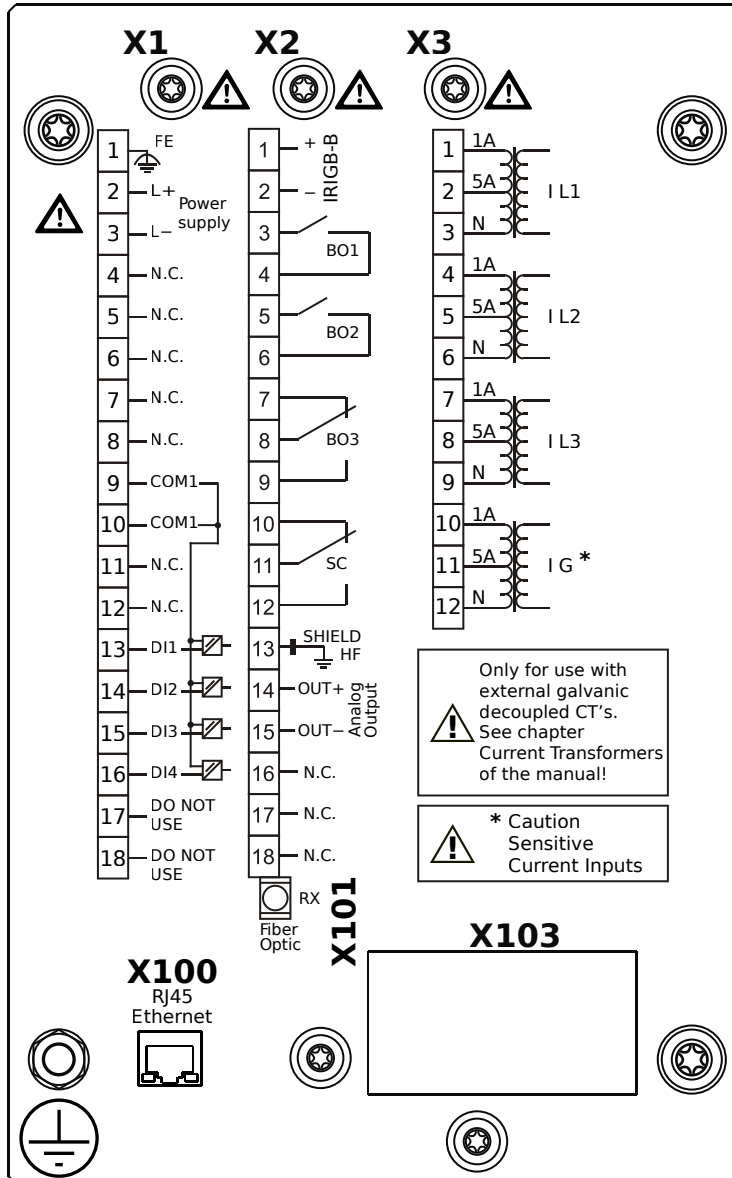
MRM4-2B1BHA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

MRM4-2B1BHB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

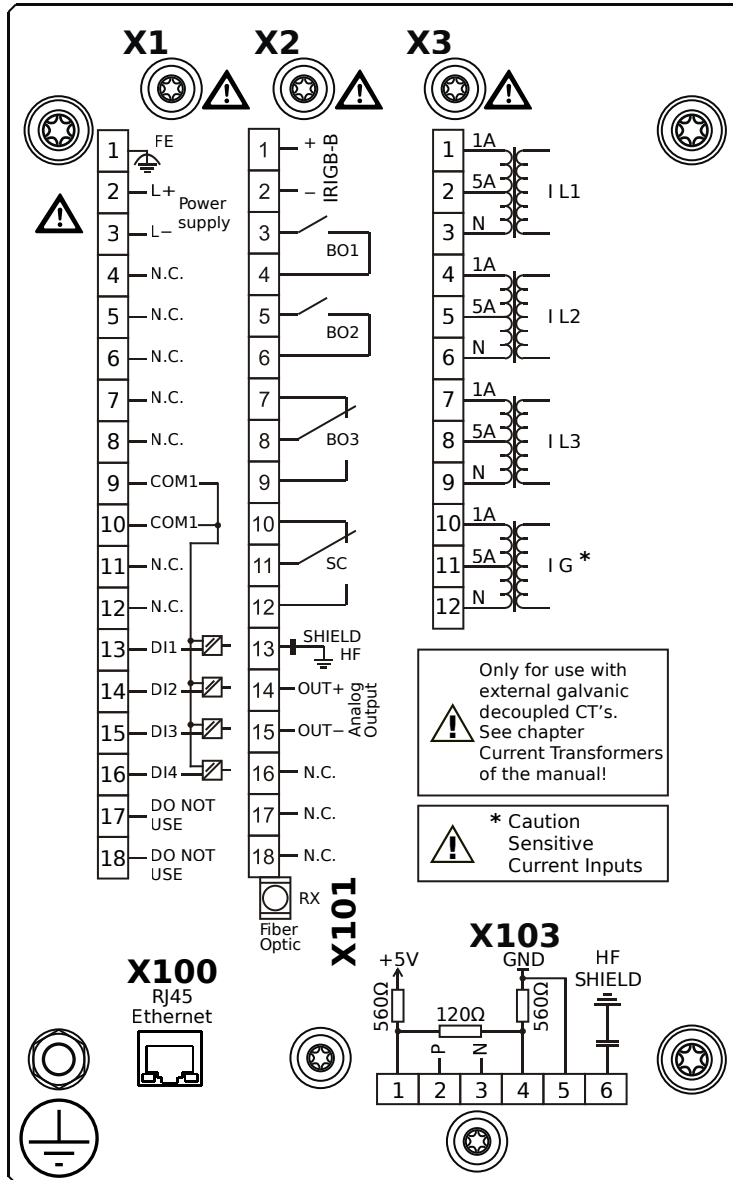
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

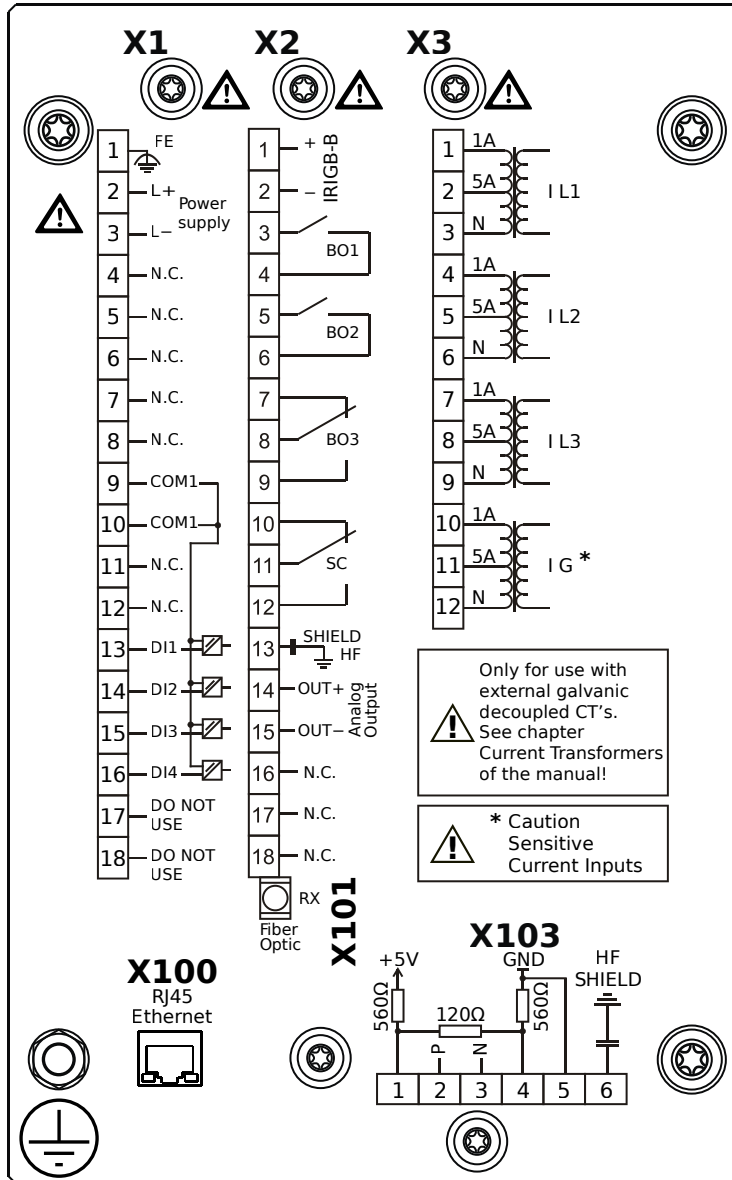
MRM4-2B1BIA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2B1BIB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

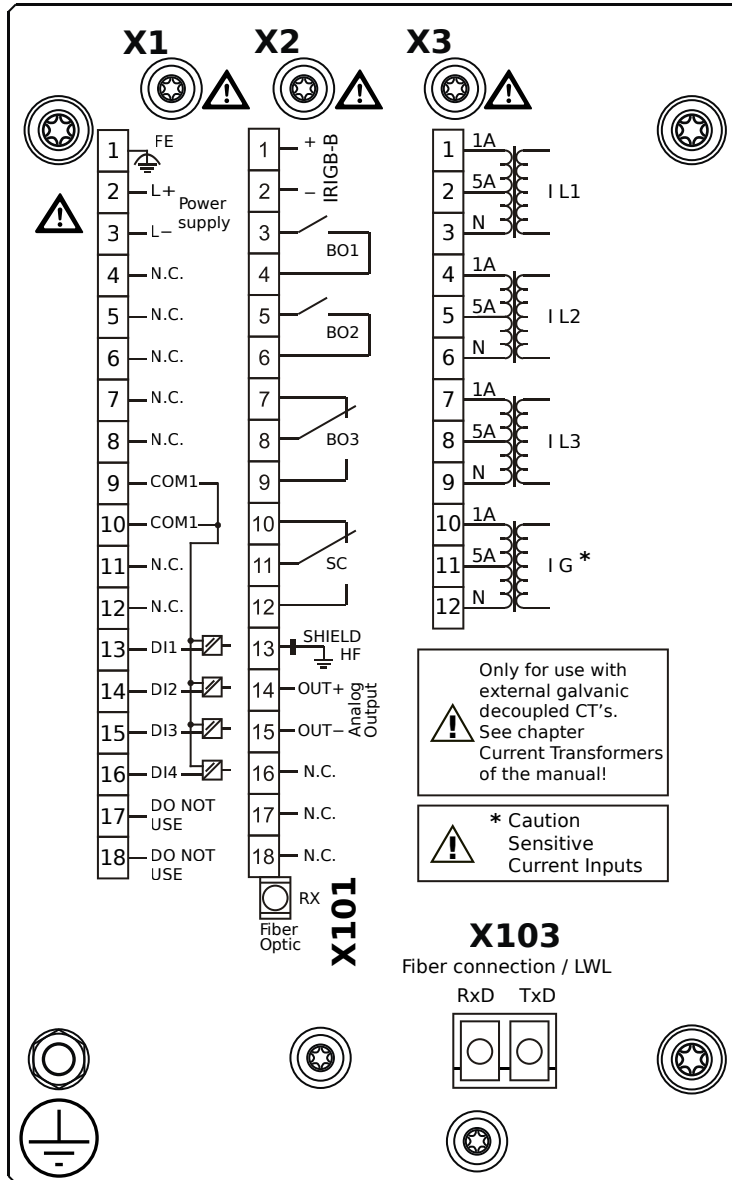
X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X100 – Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

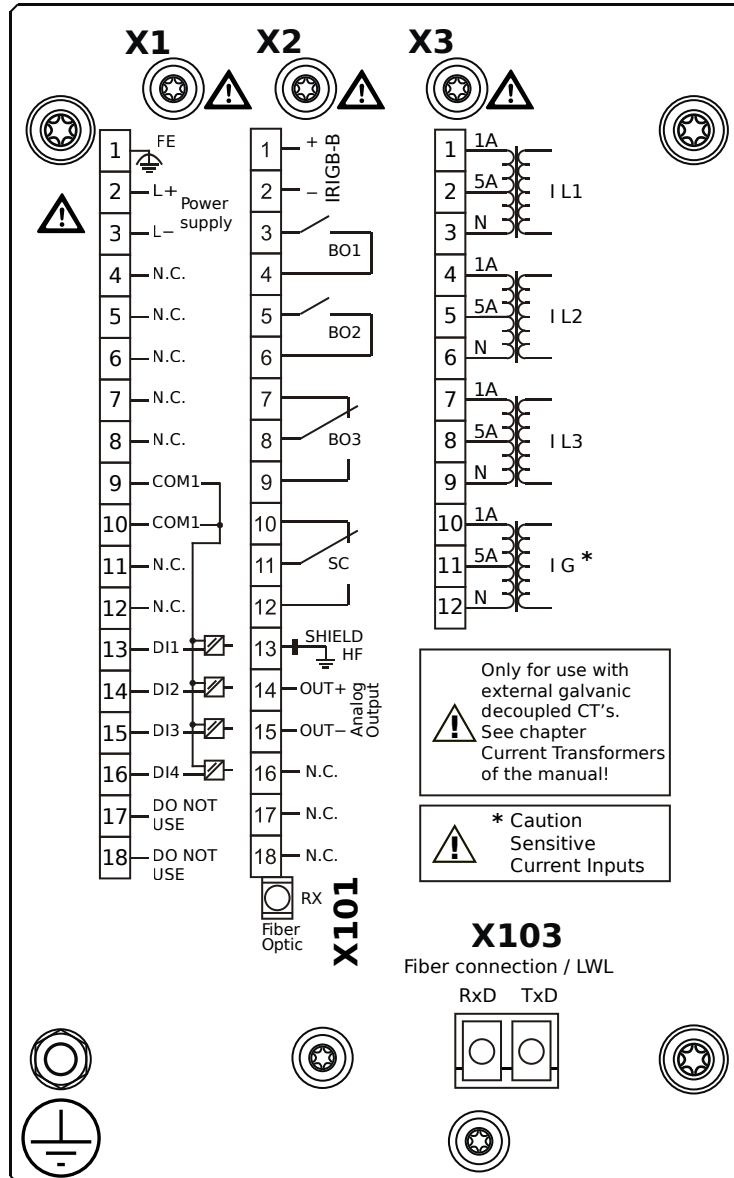
MRM4-2B1BKA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2B1BKB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

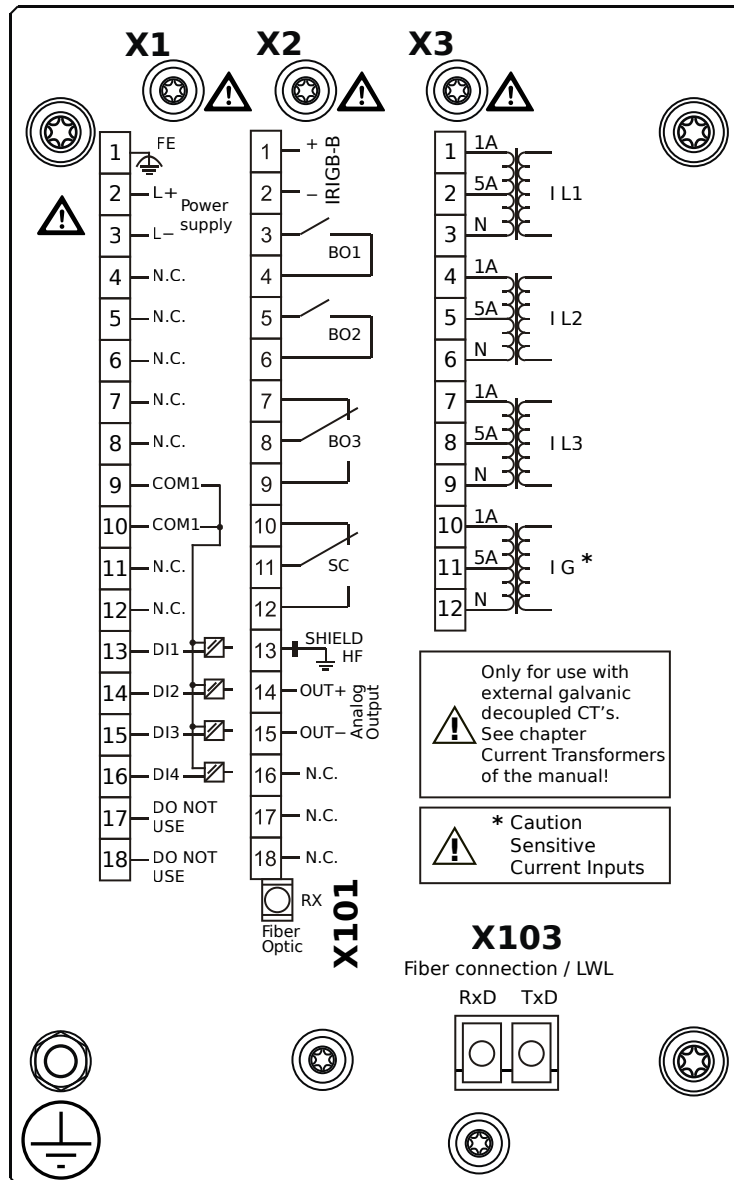
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

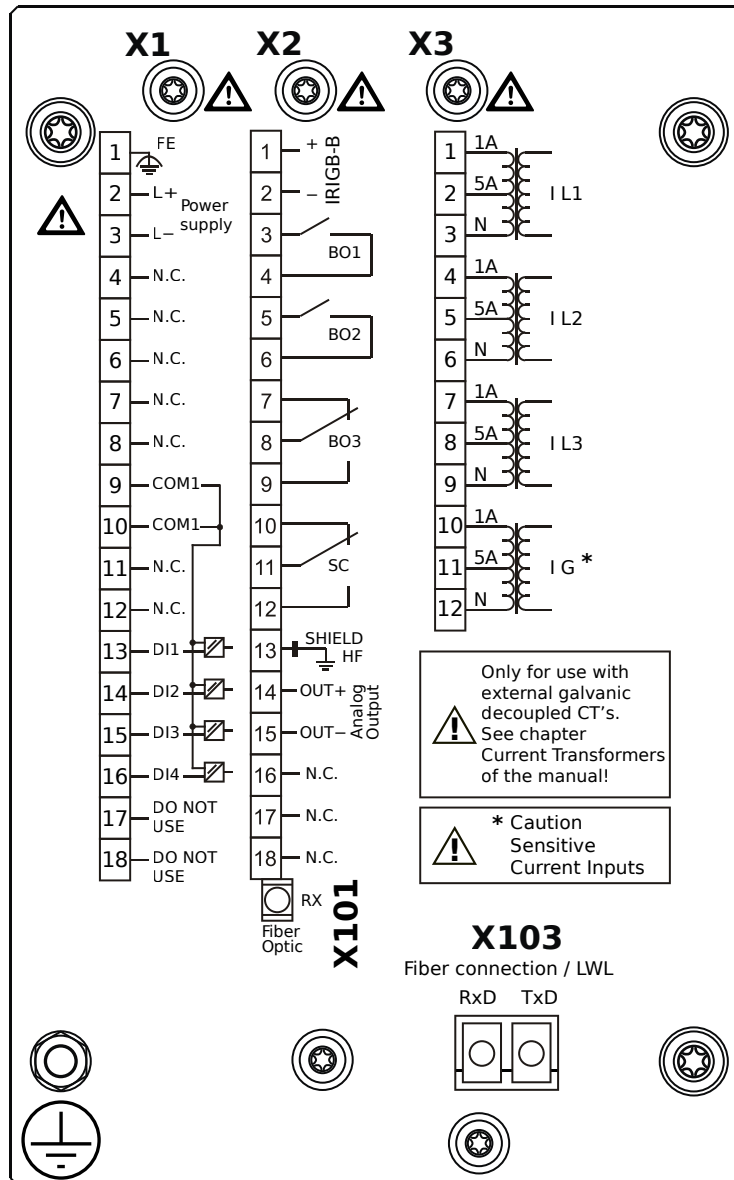
MRM4-2B1BLA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

MRM4-2B1BLB



Housing B1, small display, 19" rack mounting

+ Conformal Coating (for installations in harsh environment)

X1 – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs

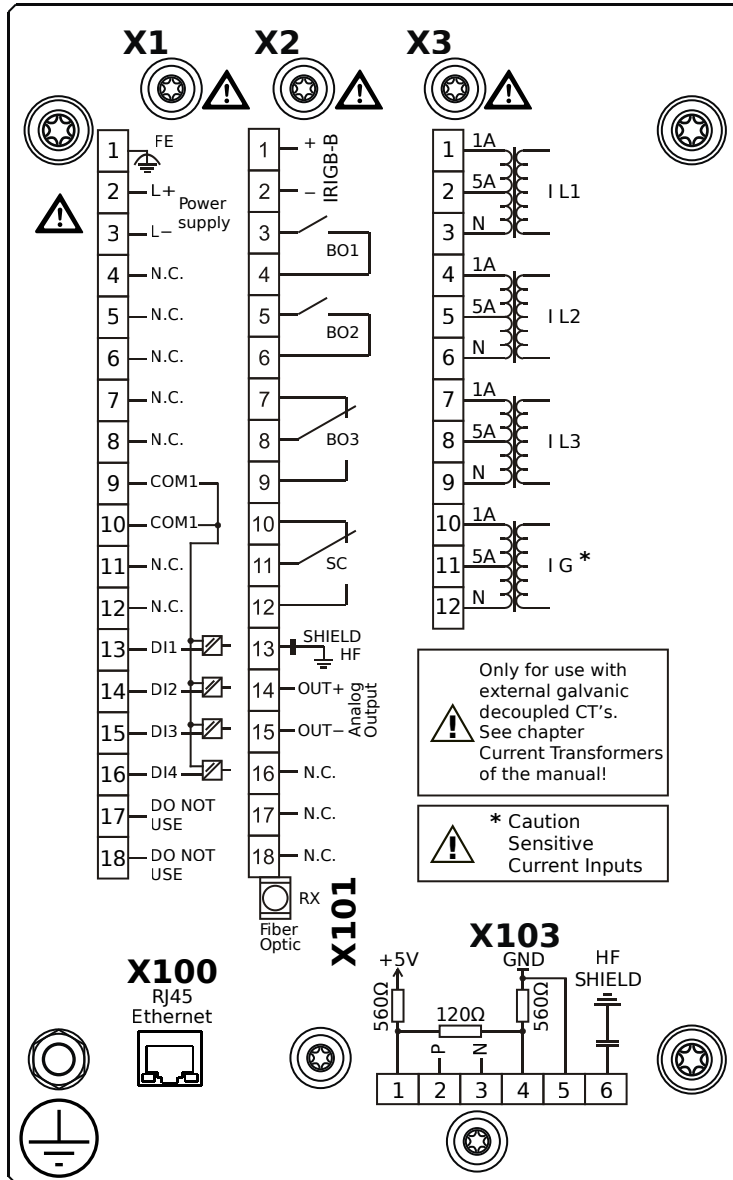
X2 – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B

X3 – TIs: Standard phase current measuring card and sensitive ground current measuring

X101 – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link

X103 – Modbus TCP / DNP3.0 TCP/UDP, Fiber optics interface, LC Connector

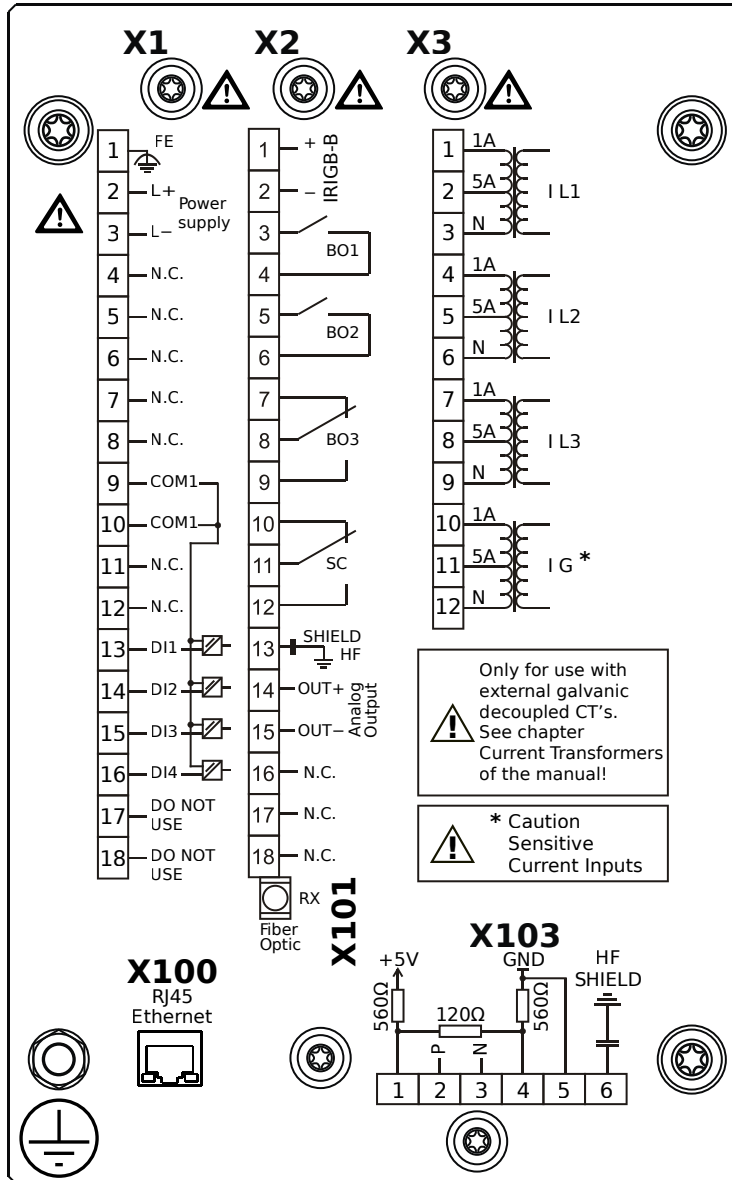
MRM4-2B1BTA



Housing B1, small display, 19" rack mounting

- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

MRM4-2B1BTB



Housing B1, small display, 19" rack mounting

- + Conformal Coating (for installations in harsh environment)
- X1** – DI4-X1: Wide-range power supply unit, incl. 4 grouped digital inputs
- X2** – OR3-AnO-Ir: Assembly Group with 2 Normally Open (Form A), 1 Changeover (Form C), SC, Analog Output, IRIG-B
- X3** – TIs: Standard phase current measuring card and sensitive ground current measuring
- X100** – IEC 61850 / Modbus TCP / DNP3.0 TCP/UDP, Ethernet interface, 100 Mbit/s, RJ45 (BASE100-FX)
- X101** – Universal Resistance-Temperature Detector (URTD) input, Fiber optics interface, Versatile Link
- X103** – IEC 60870-5-103 / Modbus RTU / DNP3.0 RTU, RS485, Terminals

Appendix – Legend

In this legend designations of various device types are listed, e.g. transformer protection, motor protection, generator protection, etc. Therefore it can occur that not every designation actually appears on the wiring diagram of your device.

FE	– Connection of functional earth (see chapter Grounding in the Technical Manual).
Power Supply	– Connection for auxiliary power supply.
IL1	– Phase current input L1 (in some countries designated as IA).
IL2	– Phase current input L2 (in some countries designated as IB).
IL3	– Phase current input L3 (in some countries designated as IC).
IG	– Earth current input.
IL1 W1 ... IL3 W1	– Phase current input L1...L3, winding side 1.
IL1 W2 ... IL3 W2	– Phase current input L1...L3, winding side 2.
IG W1, IG W2	– Earth current input, winding side 1 / 2.
VL1	– Phase-to-neutral voltage L1 (in some countries designated as VA).
VL2	– Phase-to-neutral voltage L2 (in some countries designated as VB).
VL3	– Phase-to-neutral voltage L3 (in some countries designated as VC).
VL12	– Phase-to-phase voltage V12 (in some countries designated as VAB).
VL23	– Phase-to-phase voltage V23 (in some countries designated as VBC).
VL31	– Phase-to-phase voltage V31 (in some countries designated as VCA).
VX	– 4th voltage measuring input for measuring residual voltage or synchro-check.
BO	– Binary output relay.
NO / NC	– Contact output, normally open (Form A) / closed (Form B).
DI	– Digital input.
COM	– Common connection of digital inputs.
Out+, AnOut	– Analog output + (0/4...20 mA or 0...10 V).
In–, AnIn	– Analog input + (0/4...20 mA or 0...10 V).
n.c.	– Not connected.
DO NOT USE	– Do not use. (Caution: Non-usable internal wiring may exist.)
SC	– Self-supervision contact.
HF SHIELD	– Connection cable shield.
Fiber Optics / LWL	– Fiber optic connection.

High PROTEC

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