→ Terminal assignment

Interfaces / switches

BSM-C — X7 X8 S1 — CAN CAN

BSM-P — X7 X8 X9 S1 — CAN CAN USB-B

USM — X5 X7 X9 X6 X8 — USB-A CAN USB-B COM LAN

1. Interface card (default)

2. Interface card (Option) — X96 X98 — COM LAN — Type LAN — X96 X98 — COM N/A — Type LAN

Type Optical Fibre — X96 X98 — COM OF-SC

Assignment of relays (Factory default)
Relay 1: All collective reports / all groups
Relay 2: Not assigned
Relay 3: Horn
Relay 4: Live contact

Assignment COM as RS232
1 - Screen (optional)
2 - RX
3 - TX
4 - GND

Assignment COM as RS485
1 - Screen (optional)
2 - A
3 - B
4 - GND

The **CAN bus sockets X7 and X8** provide a system bus for expansion modules or for setting up cascaded fault indication systems.

The DIP switches S30 - S38 are only included on relay cards. If these are not available, the corresponding DIP switches are also omitted. The USM is only parameterized via the internal web server and therefore has no DIP switches.

Assignment of input terminal and alarm inputs on the front panel
The first input of the input terminal with the highest designation is always the first alarm at the top left of the display on the front panel (e.g. BSM48 - X20.1).

* Terminal X11 - Function Inputs (FKT) is located
BSM/USM08 under Terminal X10
BSM/USM16 - 48 under Terminal X12

Function Relays — Live 3 2 1 — PE N L1 — U_B1 — X2 X1

Redundant Operating Voltage — PE N L1 — U_B2 — X3

S10 / FKT X11* / Alarm Inputs X10 / S30 / Additional feature card X30 — BSM/USM08

S12 / FKT X11* / Alarm Inputs X12 / S32 / Additional feature card X32 — BSM/USM16

S14 / Alarm Inputs X14 / S34 / Additional feature card X34 — BSM/USM24

S16 / Alarm Inputs X16 / S36 / Additional feature card X36 — BSM/USM32

S18 / Alarm Inputs X18 / S38 / Additional feature card X38 — BSM/USM40

S20 / Alarm Inputs X20 — BSM/USM48

Subject to technical chnages without prior notice.

→ **Detailled terminal assignment**

Function Inputs

F1 — ○ **1**
F2 — ○ **2**
- / N — ○ **3**

Signal Inputs

E1 ○ **1**
E2 ○ **2**
E3 ○ **3**
E4 ○ **4**
E5 ○ **5**
E6 ○ **6**
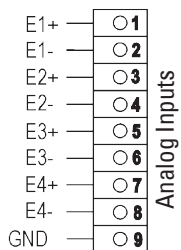E7 ○ **7**
E8 ○ **8**
- / N ○ **9**
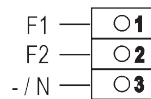
Signal Inputs
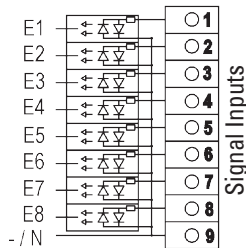
Optionally, additional feature cards can be integrated in 4 Analog Inputs and 8 Relay Outputs versions. Analog Inputs have blue terminals for better differentiation. Analog Inputs are always arranged in ascending order, starting with the least significant terminal number (X30). If there are still relay cards in the fault annunciator, they are arranged to the right.
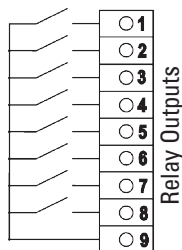
Example:
If 3 analog inputs and 2 relay cards are installed in a fault annunciator with 40 inputs, the analog input cards are located in slots X30, X32 and X34 and the two relay cards in slots X36 and X38.

Analog Inputs   **Relay Outputs**

E1+ — ○ **1**   ○ **1**
E1- — ○ **2**   ○ **2**
E2+ — ○ **3**   ○ **3**
E2- — ○ **4**   ○ **4**
E3+ — ○ **5**   ○ **5**
E3- — ○ **6**   ○ **6**
E4+ — ○ **7**   ○ **7**
E4- — ○ **8**   ○ **8**
GND — ○ **9**   ○ **9**

Analog Inputs   Relay Outputs

Subject to technical modifications