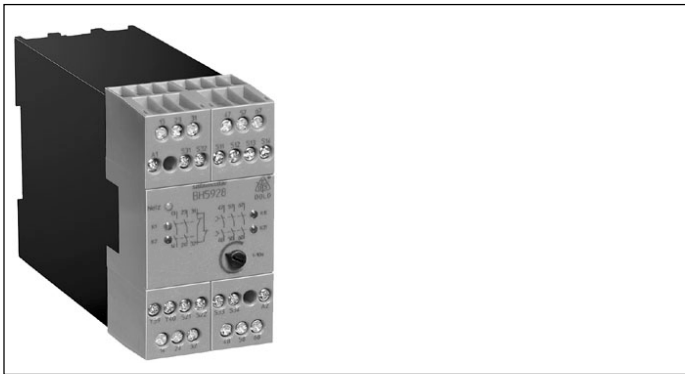


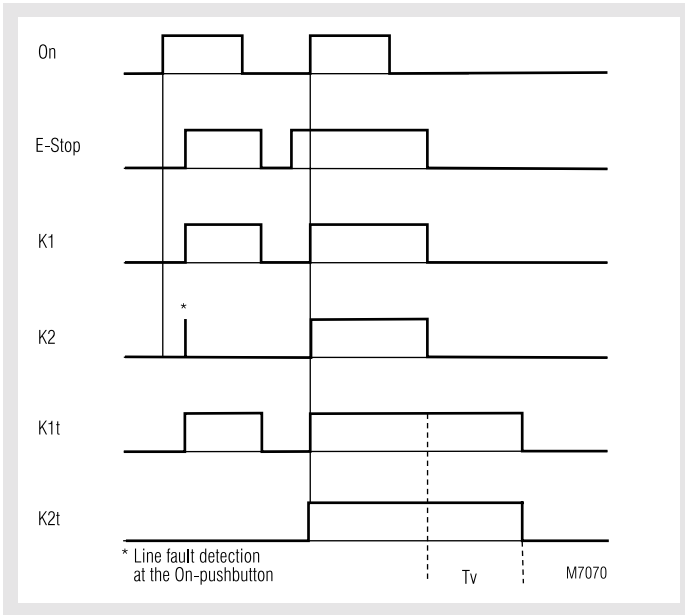
**Emergency Stop Module BH 5928, BI 5928
with time delay** **safemaster**

0226419



- According to EU directive for machines 98/37/EG
- According to IEC 204, EN 60204, DIN VDE 0113-1, EN 954-1
- Safety category 4 according to DIN EN 954-1
- Output: 3 NO or 2 NO, 1 NC instantaneous contacts and 3 NO release delayed contacts
- Single and 2-channel operation
- Line fault detection on On-button, when On-button is connected to S33-S34
- Manual restart with button on S33-S34 or automatic restart with bridge between S13-S14
- With or without cross fault monitoring in the E-stop loop
- LED indication for supply, channel 1/2 and release delayed contacts
- Removable terminal strips
- Wire connection: also 2 x 1,5 mm² stranded ferruled (isolated), DIN 46 228-4 or 2 x 2,5 mm² stranded ferruled DIN 46 228-1/-2/-3
- Width
BH 5928: 45 mm
BI 5928: 67,5 mm

Function diagram



Approvals and marking



* BH5928 approved
BI 5928 pending

Applications

- Protection of people and machines
- Emergency stop circuits on machines
 - Monitoring of safety gates
 - Stop category 1 can be realised

Indication

upper LED: on, when supply connected
lower LEDs: on, when relay K1 and K2 resp. K1t and K2t energized

Notes

To select automatic restart terminals 13 - 14 must be bridged. Open terminals 13 - 14 select manual restart, the On-button must then be connected to S33 - S34.

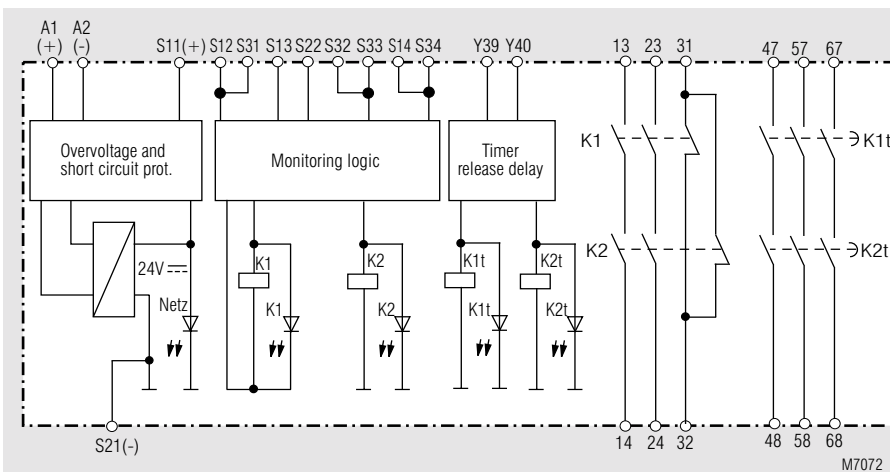
Line fault detection on On-button:

The line fault detection is only active when S12 and S22 are switched simultaneously. If the On-button is closed before S12, S31, S32 is connected to voltage (also when line fault across On-button), the output contacts will not close.

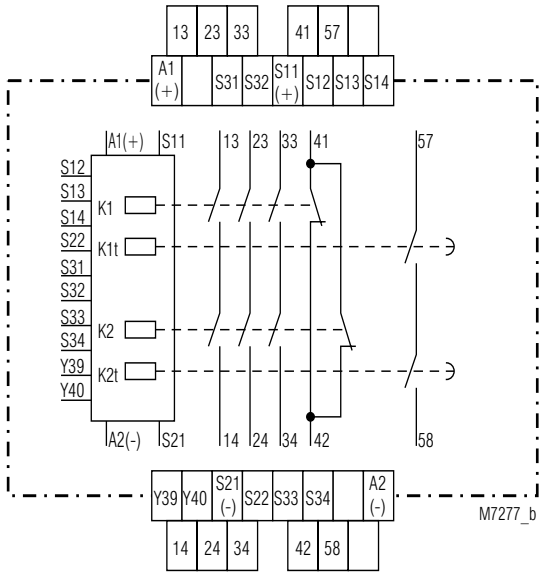
A line fault across the On-button which occurred after activation of the relay, will be detected with the next activation and the output contacts will not close. If a line fault occurs after the voltage has been connected to S12, S31, S32, the unit will be activated because this line fault is similar to the normal On-function.

The unit can be operated with single channel and 2-channel operation with cross fault monitoring. For connection please refer to application examples.

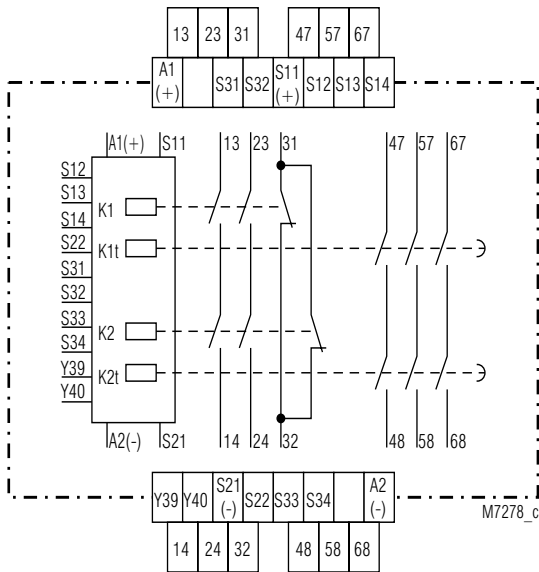
Block diagram



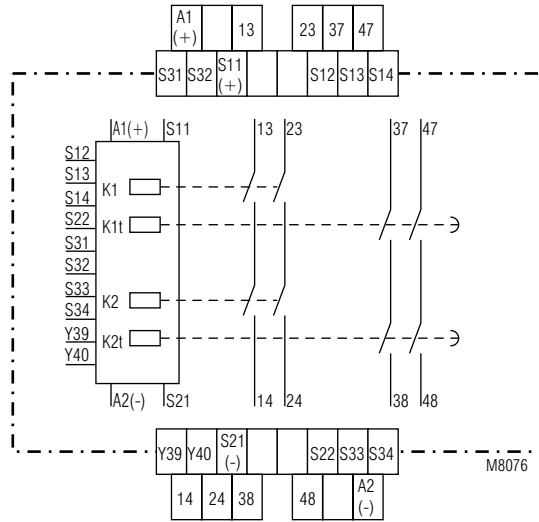
Circuit diagrams



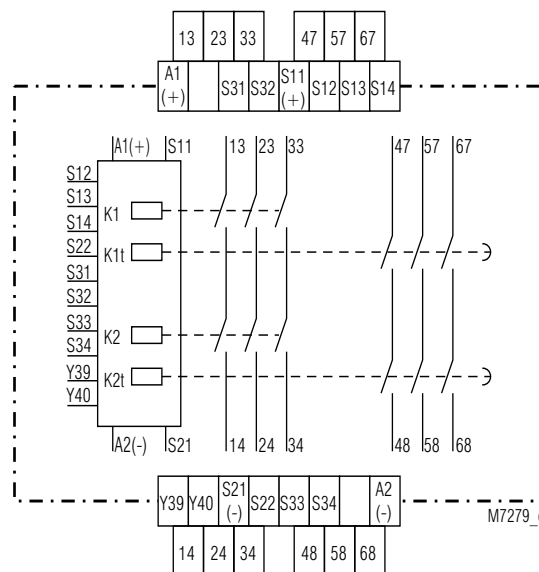
BH 5928.47



BH 5928.92



BH 5928.91



BH 5928.93