

Application Note Substitute



SLS 78/RE

General Information

- Replacing an SLS 78/RE single beam safety device Type 4, PL-e with relay output
- Replacement
 - Solution 1: MLD520-R1L and MLD500-T1L with field relay box ML2R-RM2
 - Replacement with no changing in the cabinet due to the relay box
 - Solution need more space
 - Solution 2: SLS46C-70.K48 and SLE46C-70.K4/4P with cabinet relay MSI-TRMB-01
 - Solution need additional relay at the cabinet
 - Different wiring in relation to the SLS 78/RE



Substitute model SLS 78

Mechanical adaption



OLD



NEW

1 x BT-2SB10



MLD500-T1L

MLD520-R1L

ML2R-RM2



2 x BT 46



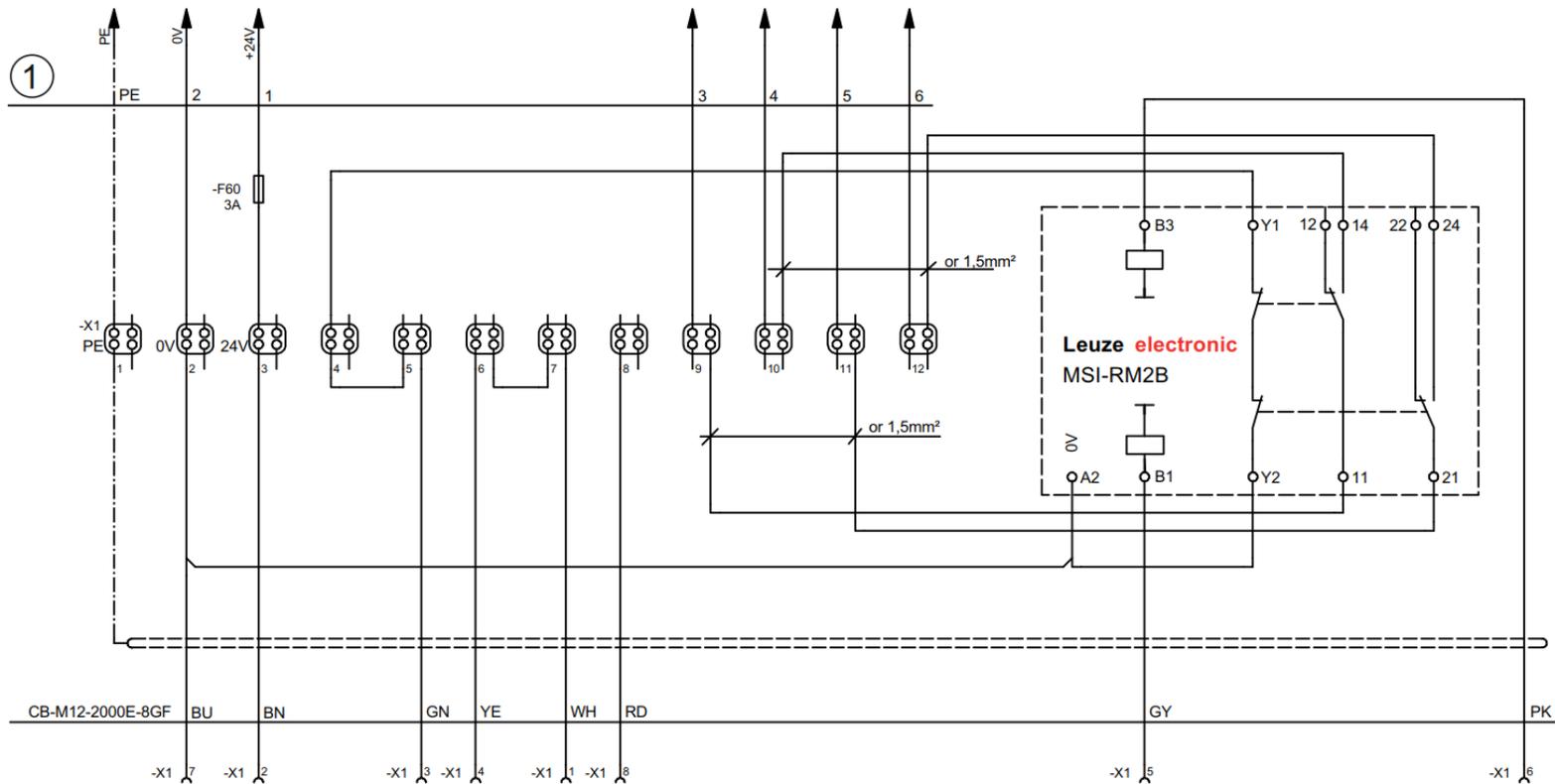
SLS46C-70.K48

SLE46C-70.K4/4P

MSI-TRMB-01

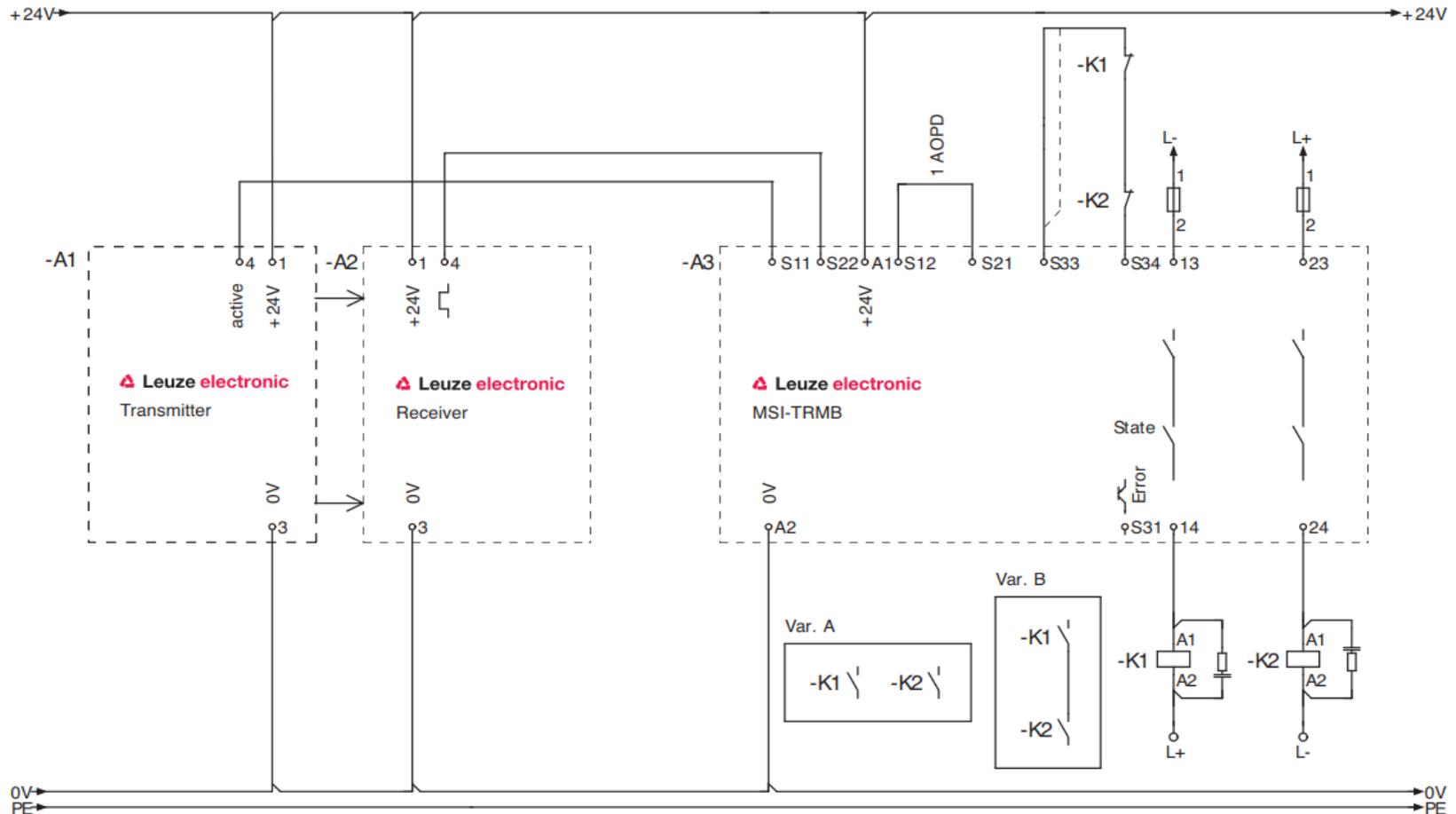
Substitute SLS 78/RE with MLD520; Solution 1

Internal wiring of the ML2R-RM2 relay box



Substitute SLS 78/RE with SLS 46C; Solution 2

Wiring of the products; if no EDM is needed for K1 and K2, simply place a jumper between S33 and S34



Attention

Note:

Please pay attention to the following points:

- SLS46C - solution example here with visible red light for easy adjustment
- MLD520 solution with alignment laser aid
- Size and mounting of the units are different
- different response time, SLS78RE (<20 msec); MLD520+ML2R-RM2 (<45 msec); SLS46C + MSI-TRM (<130msec)

Any questions!?

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