

MINOS SL Application Examples

Application example 1:

Two-channel emergency-stop monitoring with short circuit monitoring and monitored manual start

- SL1E: Up to PL e / SILCL 3
- SL1D: Up to PL d / SILCL 2

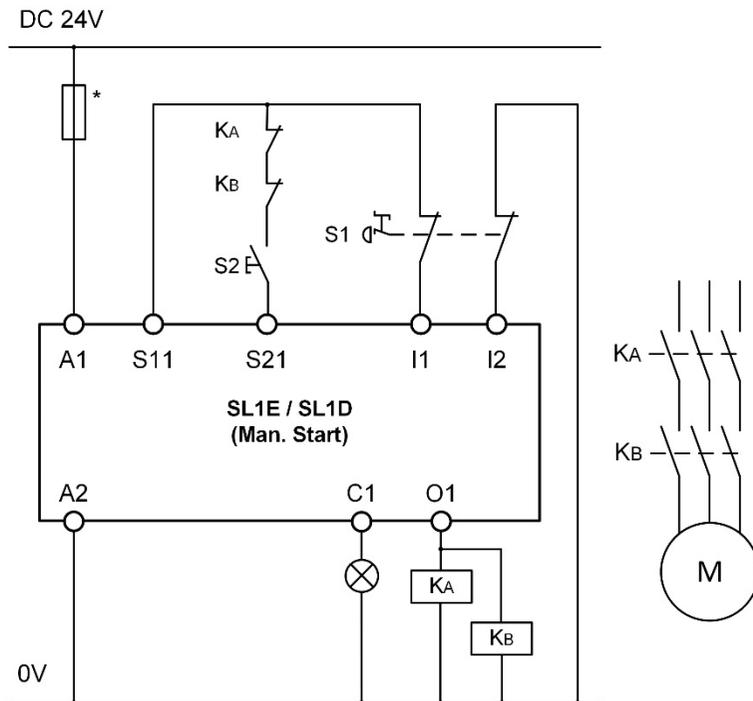


Fig. 1 Application example - Two-channel emergency-stop monitoring with short circuit monitoring and monitored manual start

Application example 2:

Single-channel emergency stop monitoring with automatic start

- SL2E: Up to PL c / SILCL 1
- SL2D: Up to PL c / SILCL 1

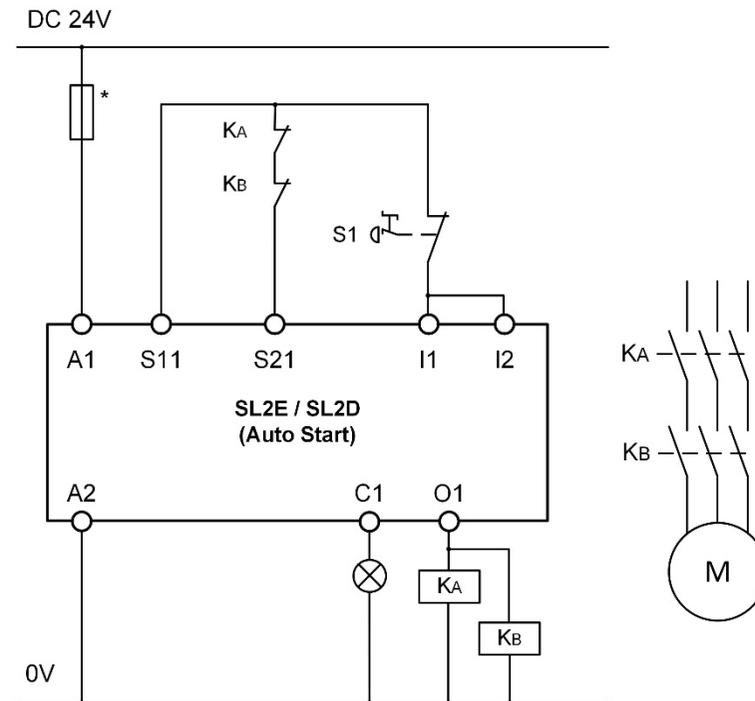


Fig. 2 Application example - Single-channel emergency stop monitoring

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MINOS SL Application Examples

Application example 5:

Dual channel safety door monitoring with automatic start

- SL1E: Up to PL e / SILCL 3
- SL1D: Up to PL d / SILCL 2

Legend for all application examples:

S1: Emergency stop button

S2: Start button

KA/KB: Positively driven contactors; Monitoring via feedback circuit

BWS: Non-contact safety switch, light curtains etc.

PL and SILCL: According to EN ISO 13849-1 and EN 62061.

Specified safety level, considering a fault exclusion in the wiring between SLxE/SLxD and the connected contactors KA and KB. See details in "Wiring / applications - safe output" section.

* Use of an external fuse: See the "Electrical connection" section.

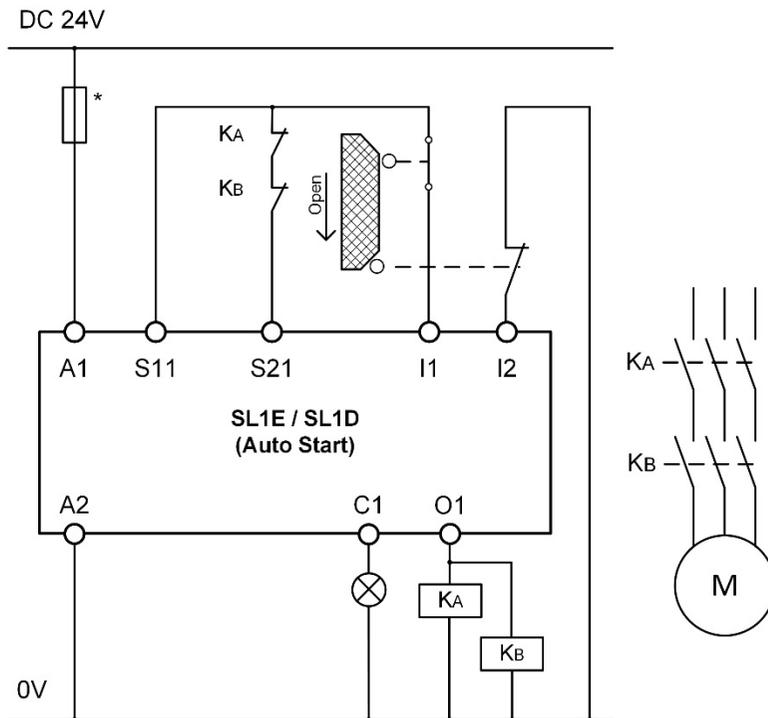


Fig. 5 Application example - Dual channel safety door monitoring

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This document is not a replacement for the operating instruction. Please follow the instructions in the operating instructions during installation.

