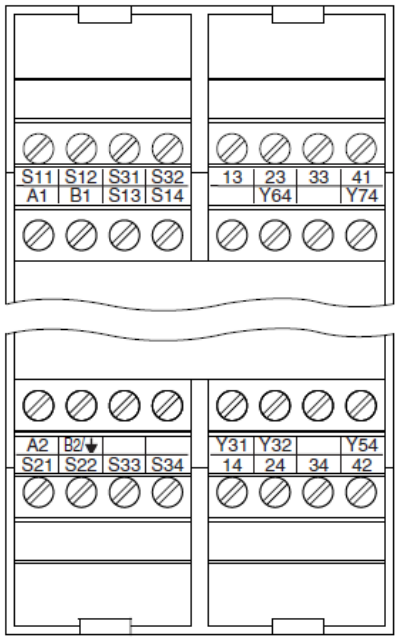
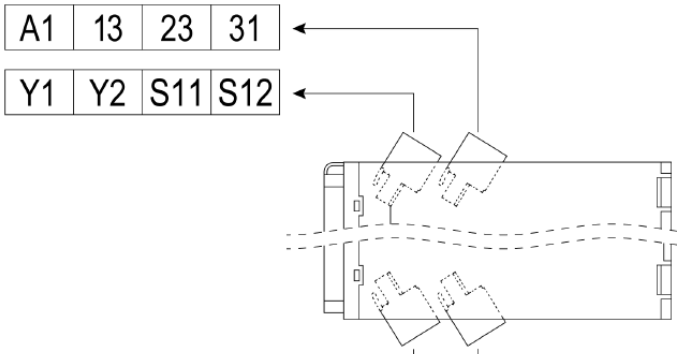
XPSAK is replaced by XPSUAK – 24VDC

XPSAK



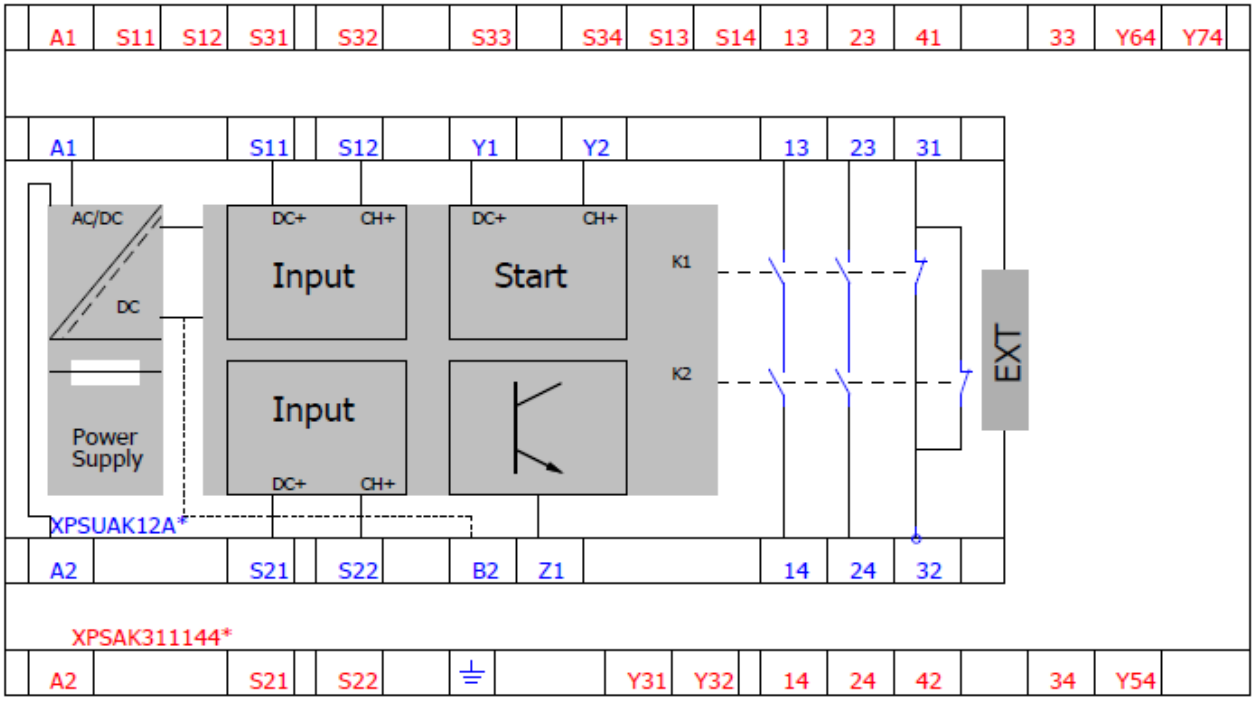
XPSUAK



Commercial Reference	Commercial Reference
XPSAK311144	XPSUAK12AP
XPSAK311144P	XPSUAK12AP

XPSAK is replaced by XPSUAK – 24VDC

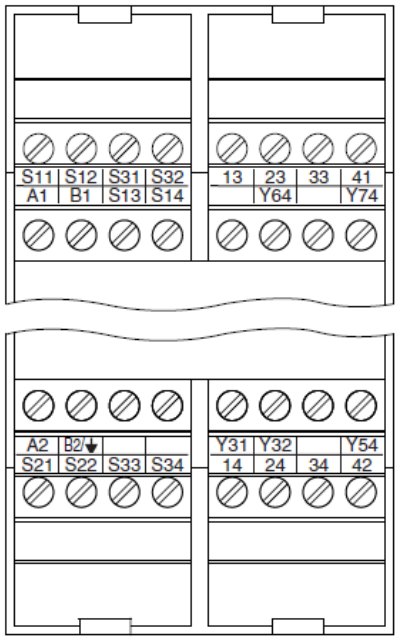
XPSAK

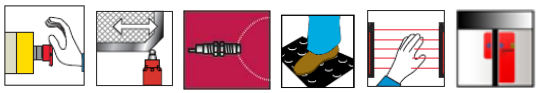


XPSUAK

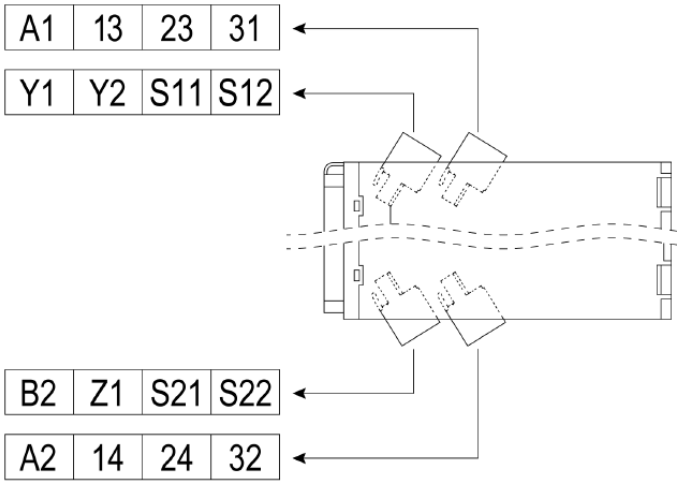
XPSAK is replaced by XPSUAK – 48…230V

XPSAK





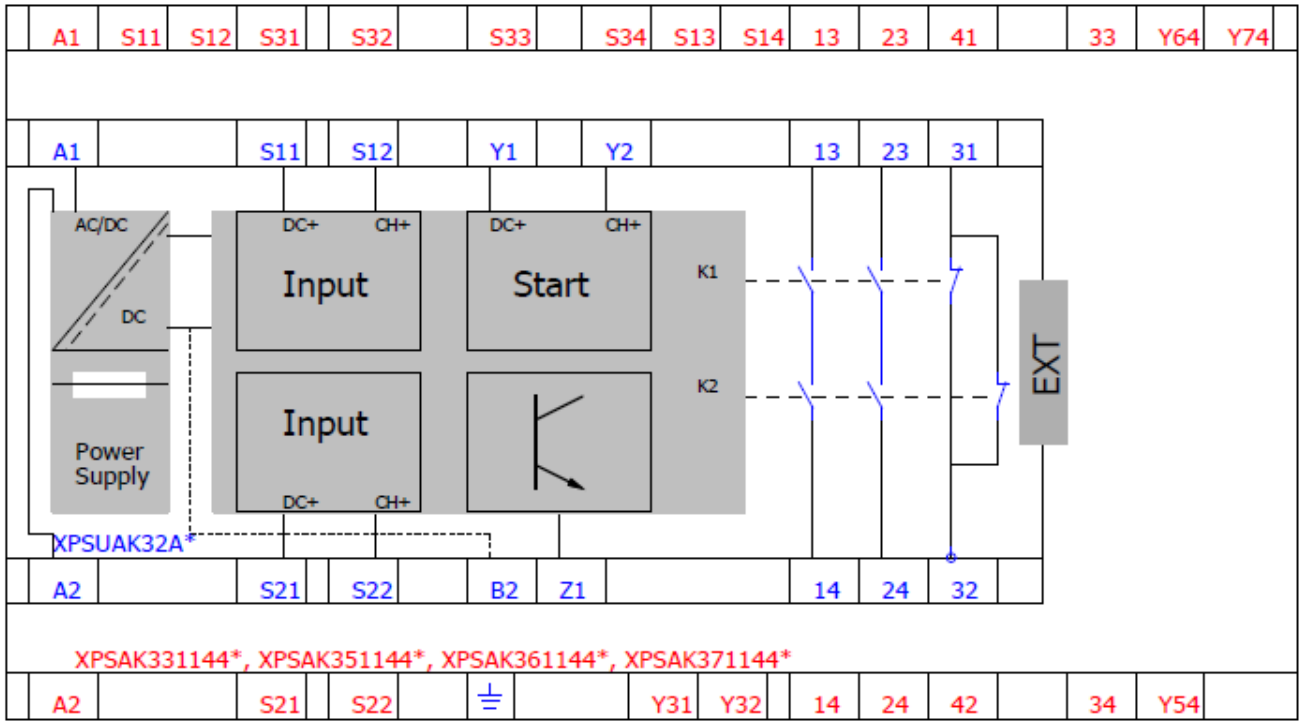
XPSUAK



Commercial Reference	Commercial Reference
XPSAK331144P	XPSUAK32AP
XPSAK351144	XPSUAK32AP
XPSAK351144P	XPSUAK32AP
XPSAK361144	XPSUAK32AP
XPSAK361144P	XPSUAK32AP
XPSAK371144	XPSUAK32AP
XPSAK371144P	XPSUAK32AP

XPSAK is replaced by XPSUAK – 48…230V

XPSAK

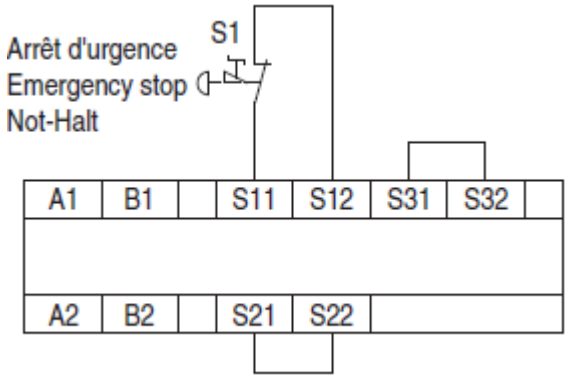


XPSUAK

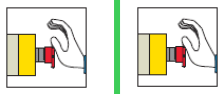
Wiring Emergency Stop single channel diagram XPSAK & XPSUAK

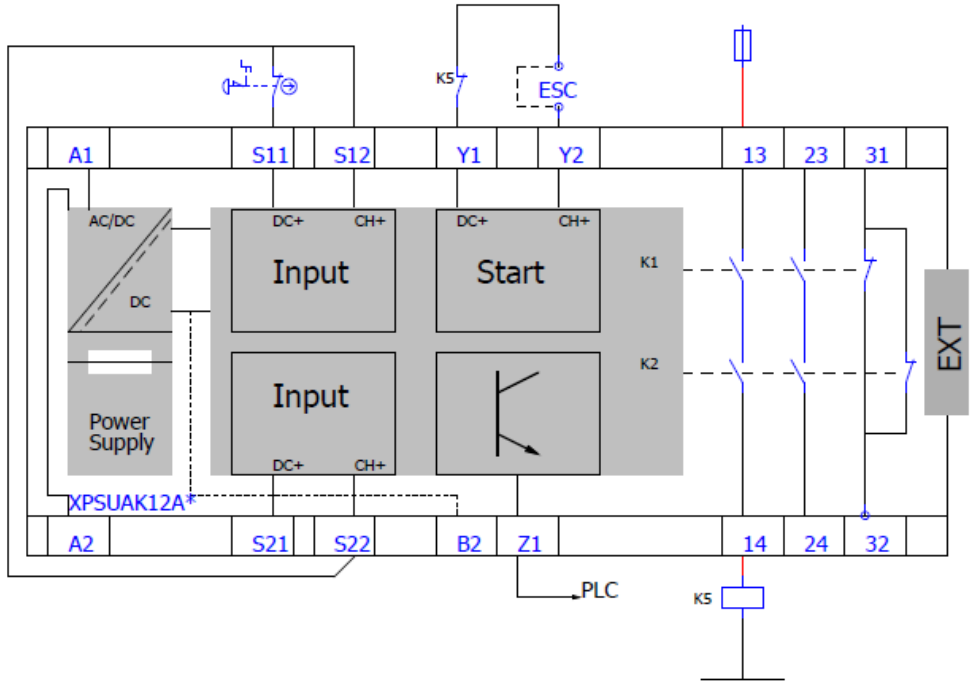
XPSAK

Raccordement du bouton à une voie
One channel connection of the button
Tasteranschluß einkanalig



XPSUAK



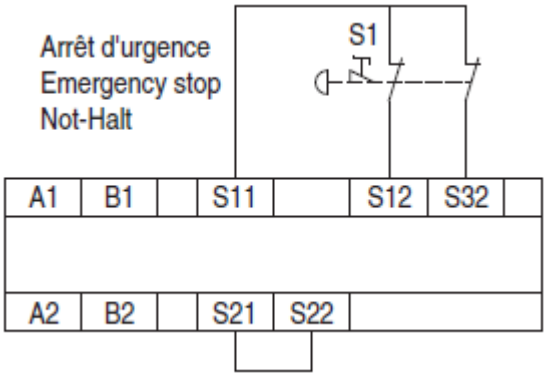


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
EXT- Side connector for output extension module XPSUEP
Safety **FUNCTION** position 4.
START configuration position 1
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAK can reach up to Cat.1, SILCL1

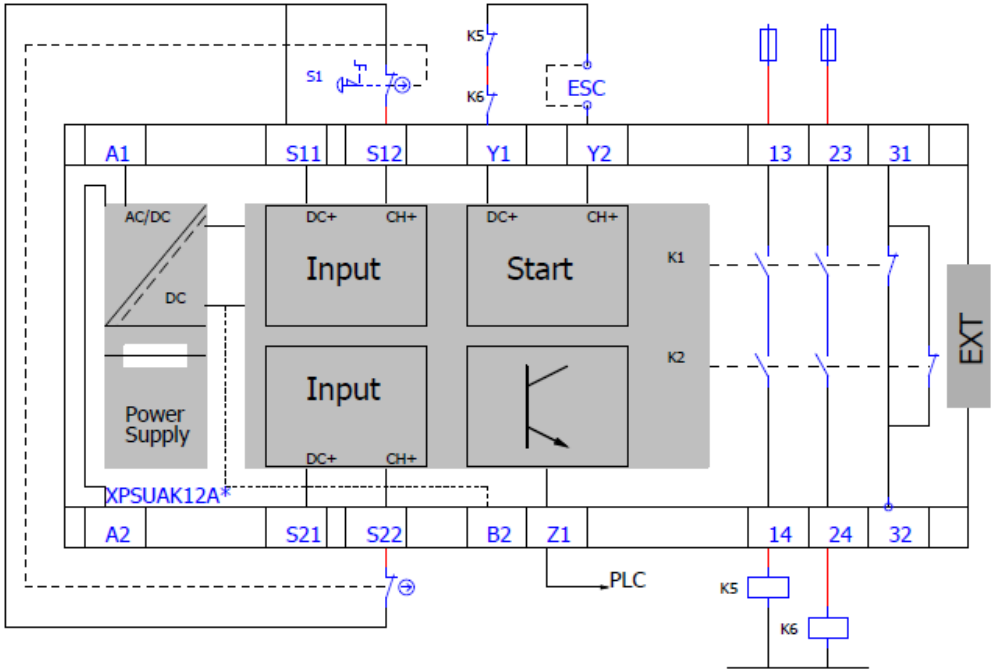
Wiring Emergency Stop diagram XPSAK & XPSUAK

XPSAK

Raccordement du bouton à deux voies,
sans détection des courts-circuits
Two channel connection of the button,
without short circuit detection
Tasteranschluß zweikanalig,
ohne Querschlußerkennung



XPSUAK

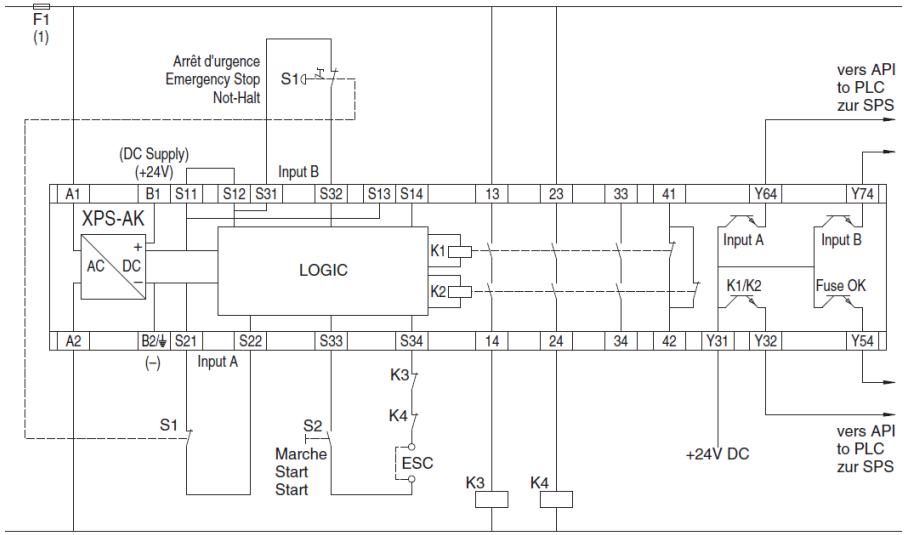


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
EXT- Side connector for output extension module XPSUEP
Safety **FUNCTION** position 4
START configuration position 1
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAK can reach up to PLc, Cat.1, SILCL1

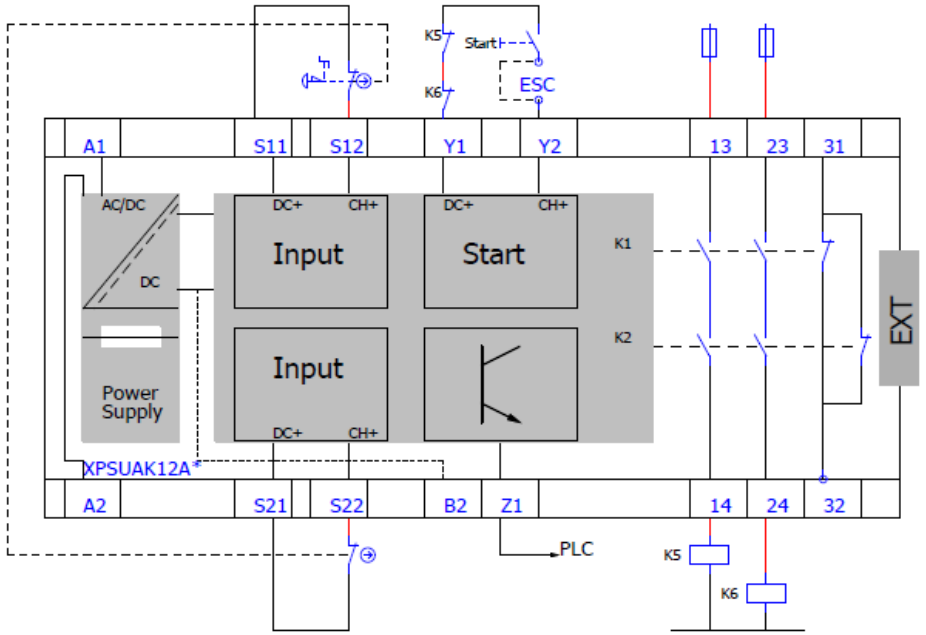
Wiring Emergency Stop diagram XPSAK & XPSUAK

XPSAK

Raccordement du bouton à deux voies, avec
détection des courts-circuits (application conseillée)
Two channel connection of the button, with
short circuit detection (recommended application)
Tasteranschluß zweikanalig, mit
Querschlußerkennung (empfohlene Verwendung)



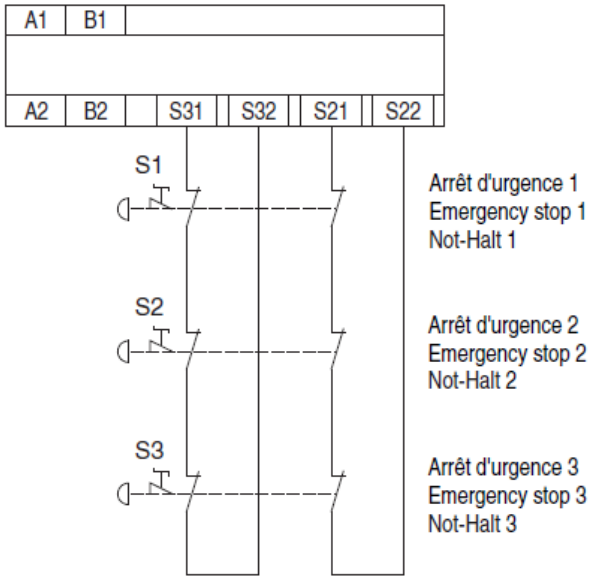
XPSUAK



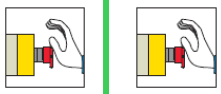
Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
EXT- Side connector for output extension module XPSUEP
Safety **FUNCTION** position 1.
START configuration position 1.
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAK can reach up to PLe, Cat.4, SILCL3

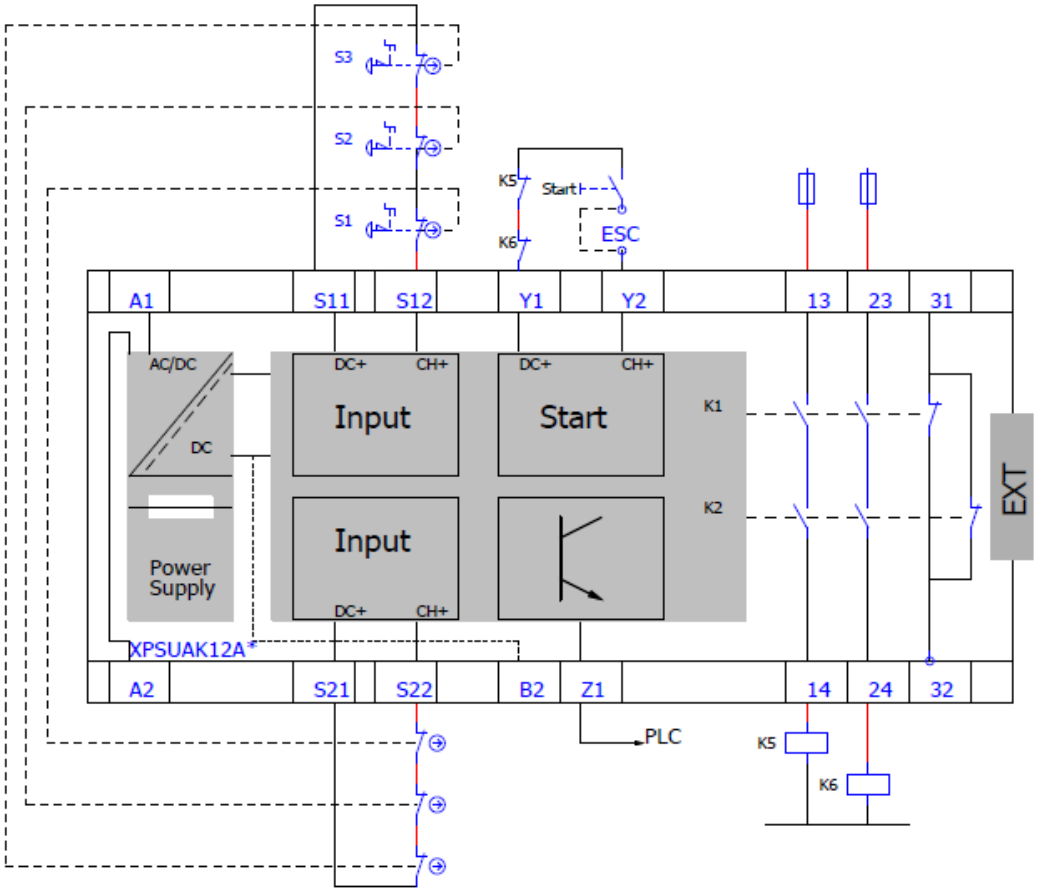
Wiring Emergency Stop in series* diagram XPSAK & XPSUAK

XPSAK



XPSUAK





Wiring Emergency Stop in series* diagram XPSAK & XPSUAK

XPSUAK

Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
EXT- Side connector for output extension module XPSUEP
Safety **FUNCTION** position 1.
START configuration position 1
For more details, please refer to your user guide page 71

* **NOTE**:
The number of Emergency stops (SRP/CSa), to be used in series at the same Safety-Related input must follow the below technical data:

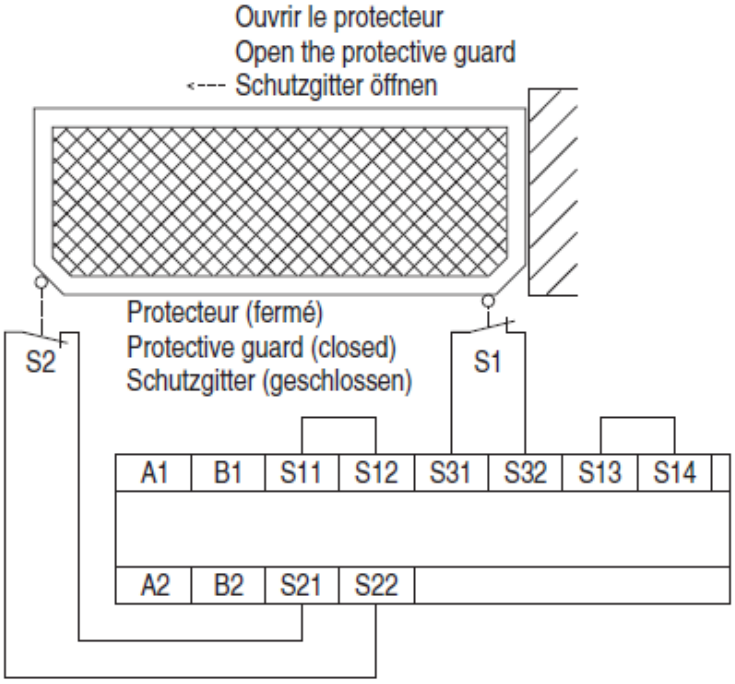
- Maximum resistance at each of the Safety-Related input (including wires/cables): 500Ω (Ohms)
- Minimum Voltage at each of the Safety-Related input: 15VDC

In this application, with appropriated input and output devices, XPSUAK can reach up to PLd, Cat.3, SILCL2

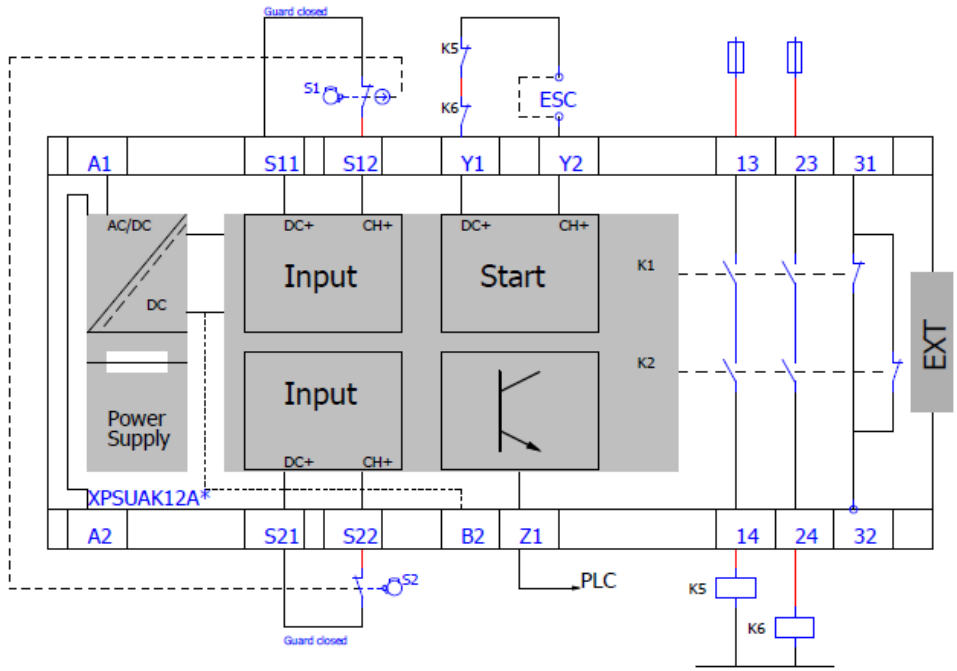
Wiring Safety Switch diagram XPSAK & XPSUAK

XPSAK

Surveillance d'un protecteur mobile
associé à 2 interrupteurs de position
et démarrage automatique
Monitoring of a protective guard
associated with 2 limit switches
and automatic start
Schutzgitterüberwachung mittels
zweier Endschalter und Auto-Start



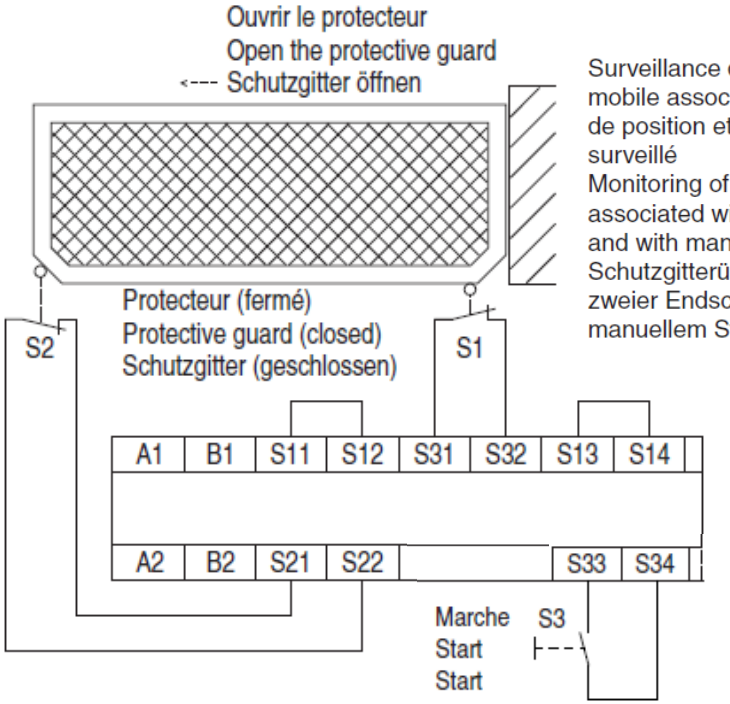
XPSUAK



Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
EXT- Side connector for output extension module XPSUEP
Safety **FUNCTION** position 2.
START configuration position 1.
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAK can reach up to PLe, Cat.4, SILCL3

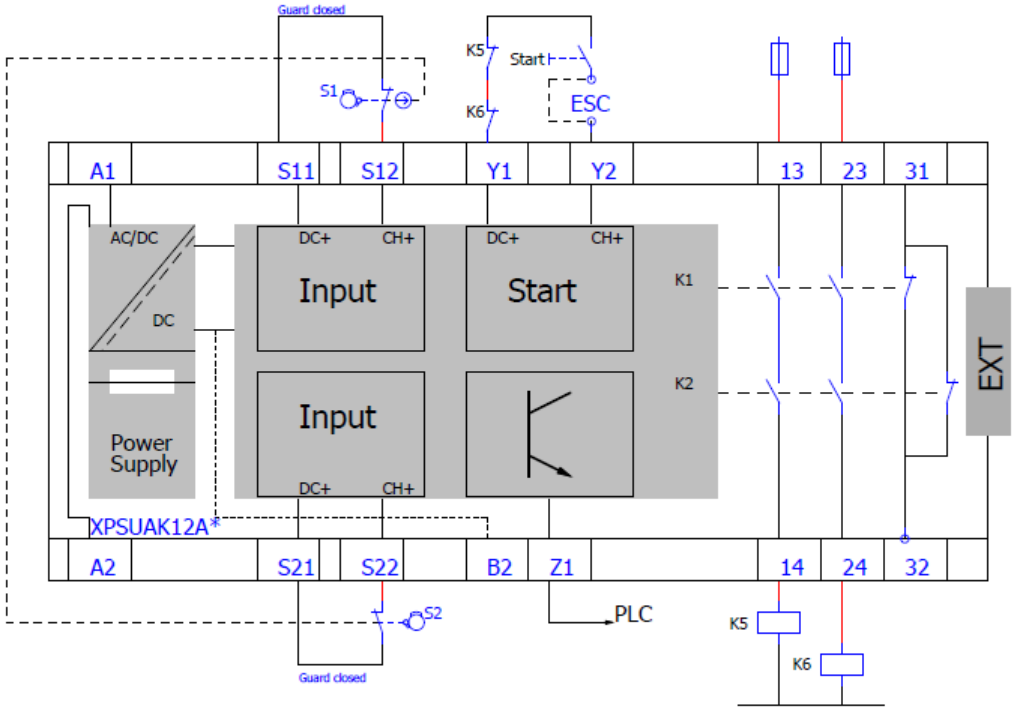
Wiring Safety Switch diagram XPSAK & XPSUAK

XPSAK



Surveillance d'un protecteur mobile associé à 2 interrupteurs de position et avec démarrage surveillé
Monitoring of a protective guard associated with 2 limit switches and with manual start
Schutzgitterüberwachung mittels zweier Endschalter und manuellem Start

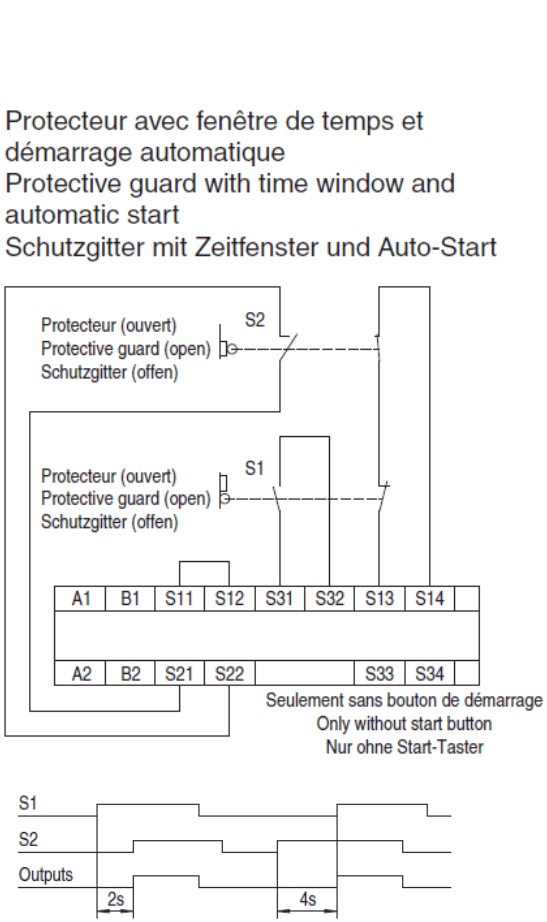
XPSUAK

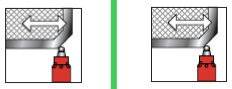


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
EXT- Side connector for output extension module XPSUEP
Safety **FUNCTION** position 2.
START configuration position 1.
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAK can reach up to PLe, Cat.4, SILCL3

Wiring Safety Switch diagram XPSAK & XPSUAK

XPSAK



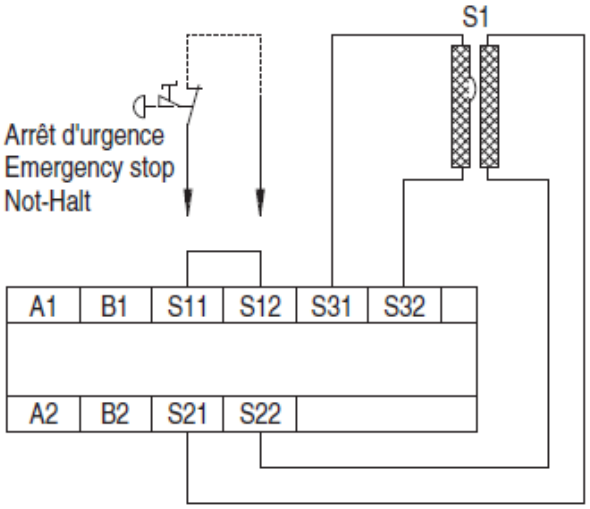


XPSUAK

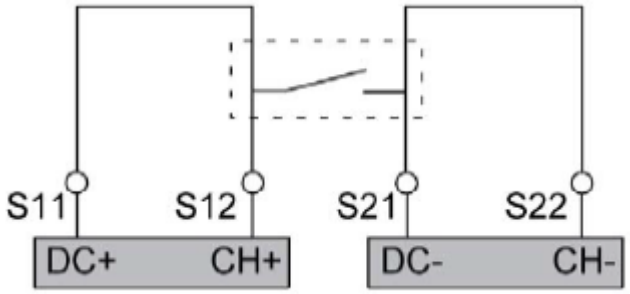
Due to the antivalent contacts from each safety switch (Protective guard), and the synchronization time, there is no direct similar product for this application.

Wiring Safety Mat diagram XPSAK & XPSUAK

XPSAK



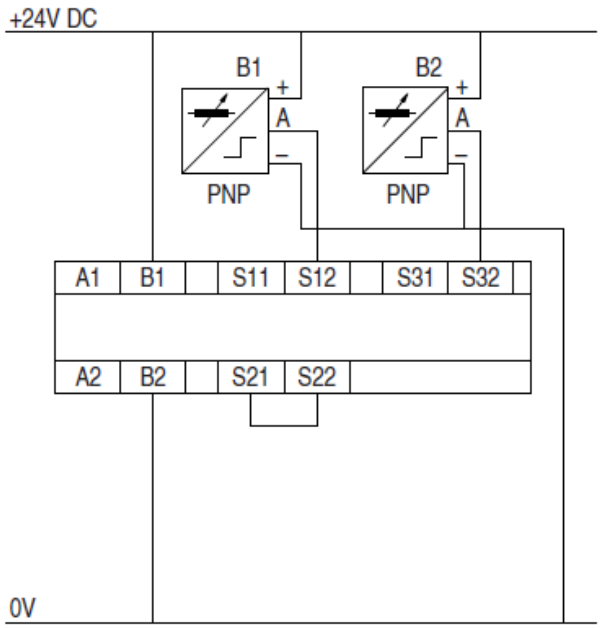
XPSUAK



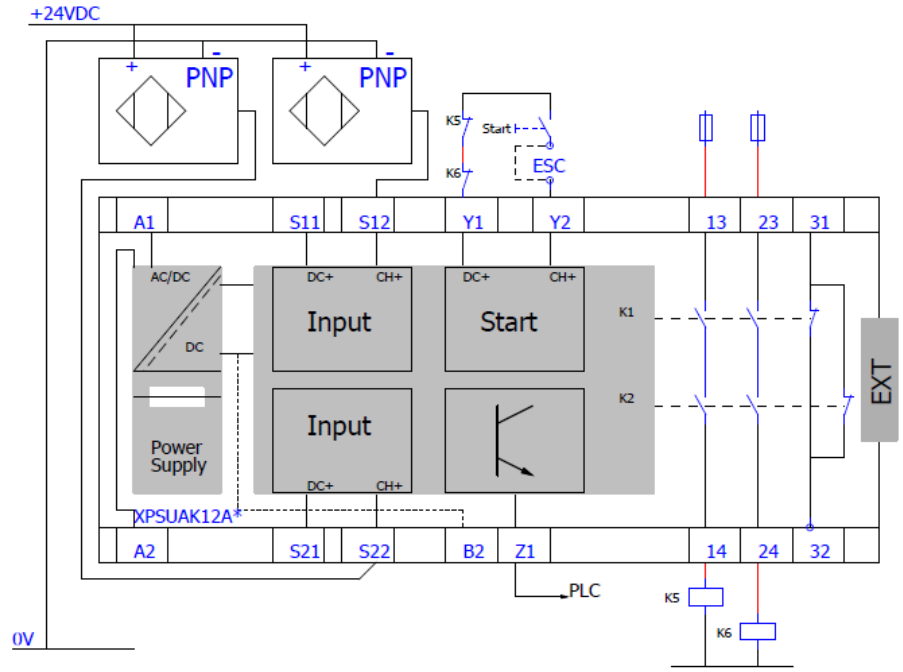
Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
EXT- Side connector for output extension module XPSUEP
Safety **FUNCTION** position 8
START configuration position 7
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAK can reach up to PLd, Cat.3, SILCL2

Wiring Sensors with PNP output diagram XPSAK & XPSUAK

XPSAK



XPSUAK



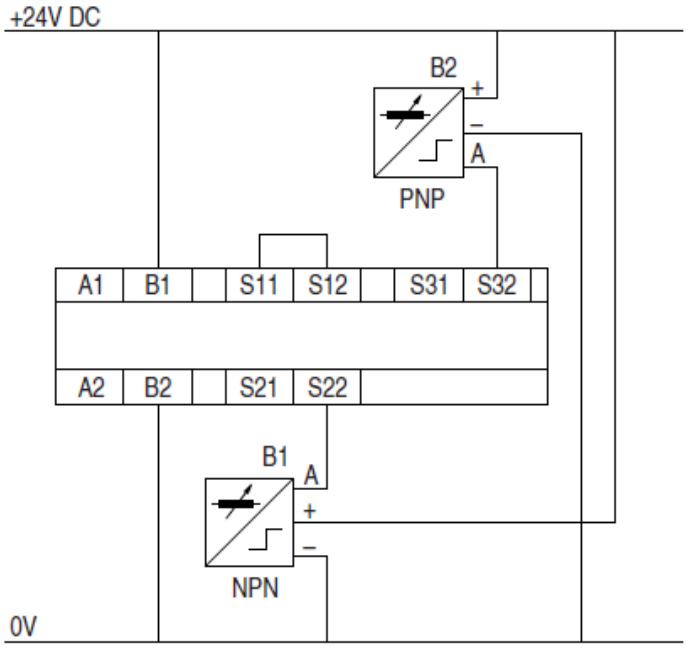
Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
EXT- Side connector for output extension module XPSUEP
Note:

- Switching voltage for activation of CH+ (S12 & S22) must be >15VDC
- Input current for activation of CH+ (S12 & S22) must be >5mA

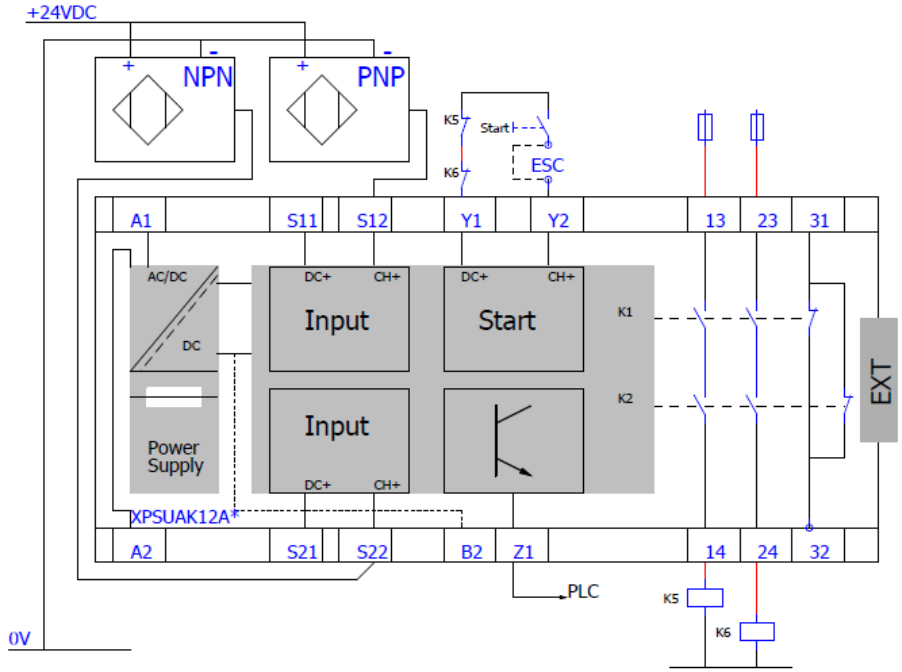
Safety **FUNCTION** position 4
START configuration position 3
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAK can reach up to PLd, Cat.3, SILCL2

Wiring Sensors with PNP and NPN output diagram XPSAK & XPSUAK

XPSAK



XPSUAK



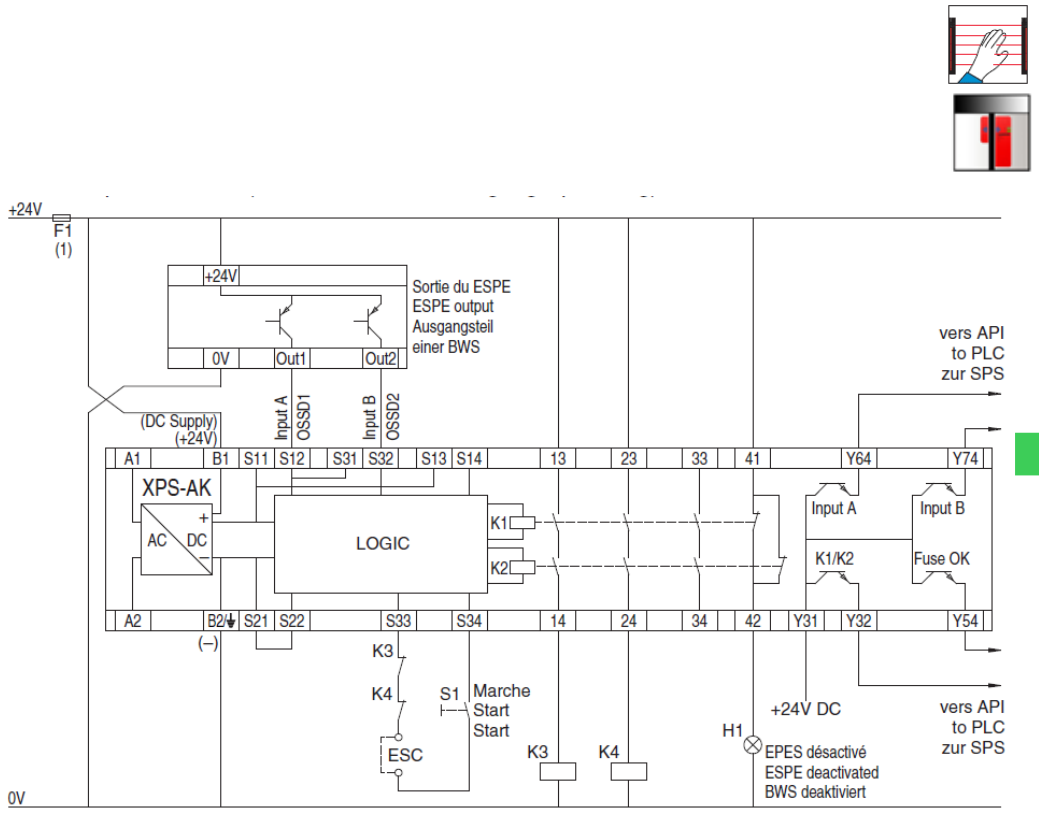
Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
EXT- Side connector for output extension module XPSUEP
Note:

- Switching voltage for activation of CH+ (S12 & S22) must be >15VDC
- Input current for activation of CH+ (S12 & S22) must be >5mA

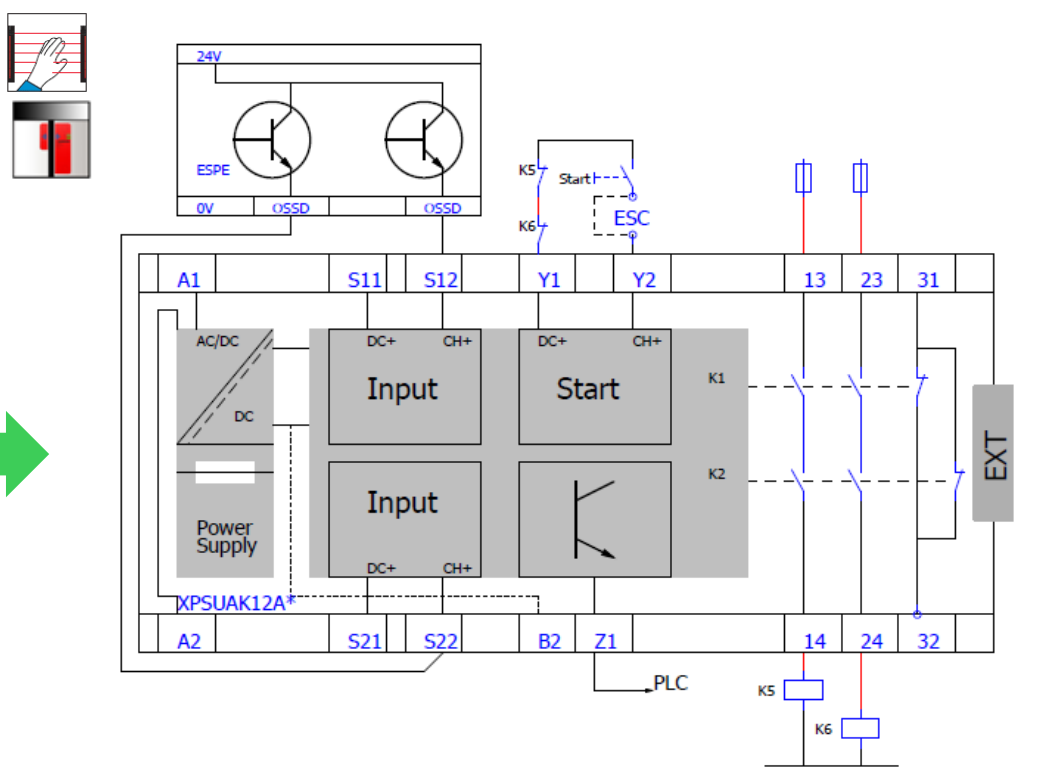
Safety **FUNCTION** position 5
START configuration position 3
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAK can reach up to PLe, Cat.4, SILCL3

Wiring Safety Light Curtains or RFID Sensors* diagram XPSAK & XPSUAK

XPSAK



XPSUAK



Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
EXT- Side connector for output extension module XPSUEP

**Which OSSD (Output Signal Switching Device) outputs are used*

Safety **FUNCTION** position 9
START configuration position 3
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAK can reach up to PLe, Cat.4, SILCL3

⚠ CAUTION

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein. If you have any suggestions for improvements or amendments or have found errors in this publication, please notify us.

All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components.

When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

Failure to use Schneider Electric software or approved software with our hardware products may result in injury, harm, or improper operating results.

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