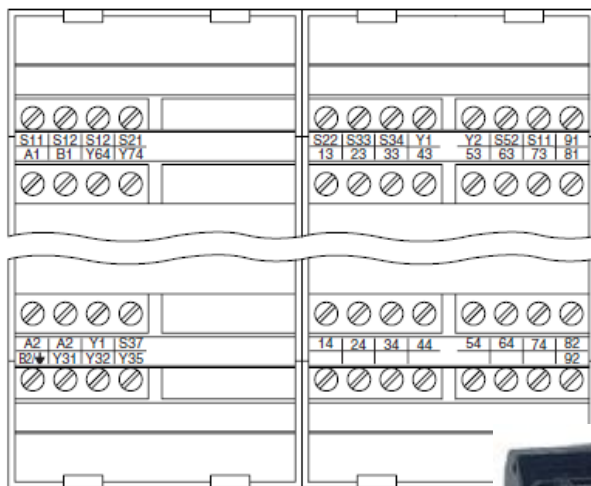
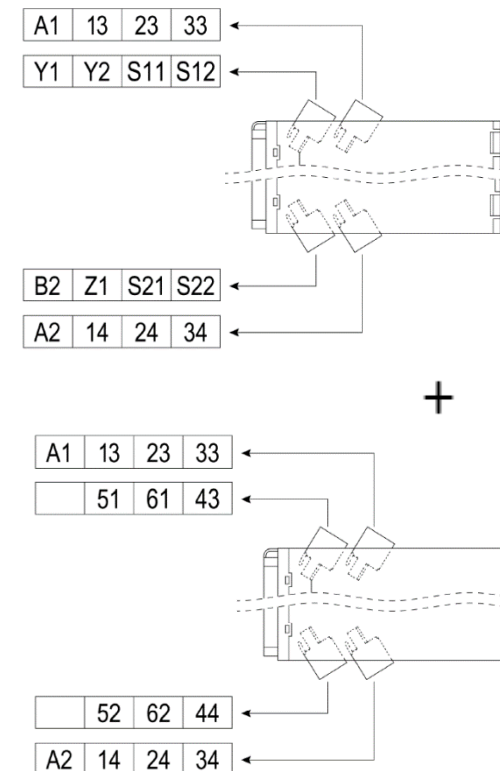


XPSAR is replaced by XPSUAF+XPSUEP – 24V

XPSAR (90mm wide)



XPSUAF+XPSUEP (45mm wide)



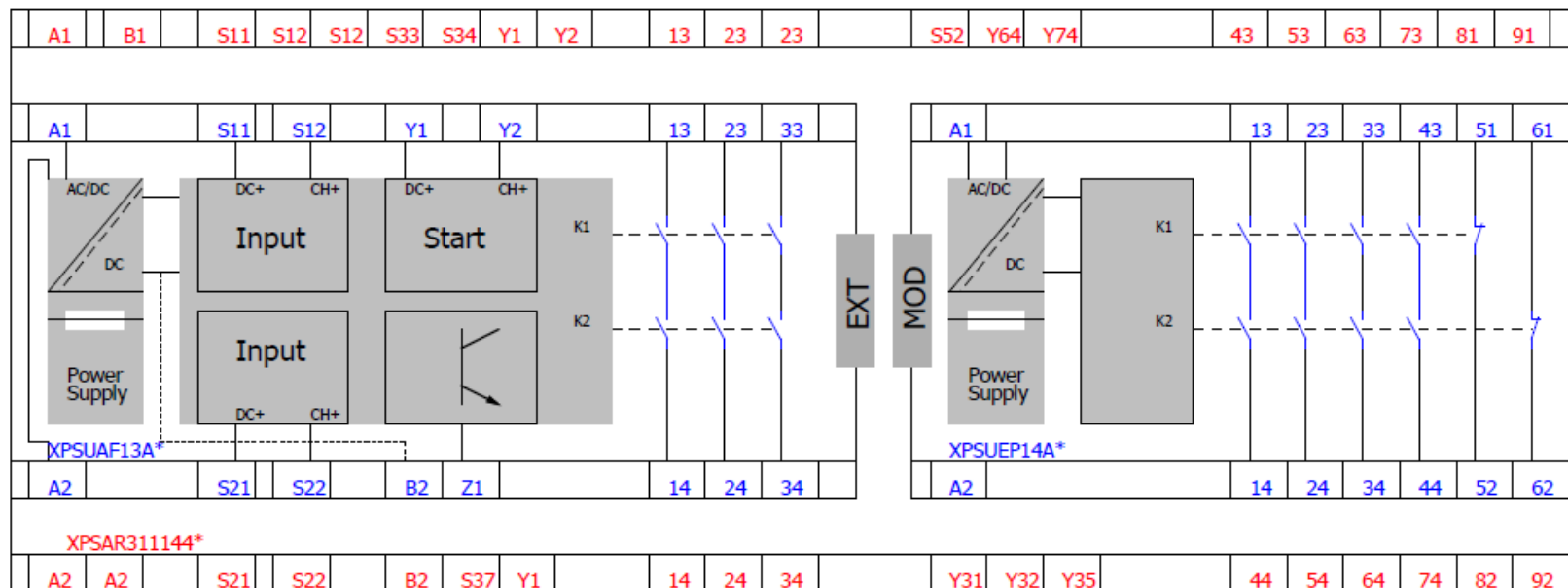
Commercial Reference	Commercial Reference
XPSAR311144	XPSUAF13AP + XPSUEP14AP
XPSAR311144P	XPSUAF13AP + XPSUEP14AP

XPSAR is replaced by XPSUAF+XPSUEP – 24V

XPSAR

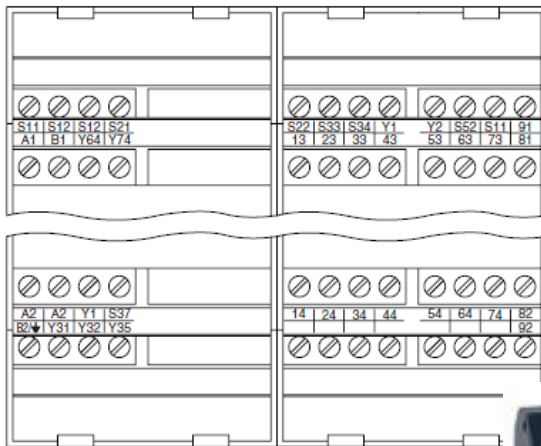


XPSUAF+XPSUEP

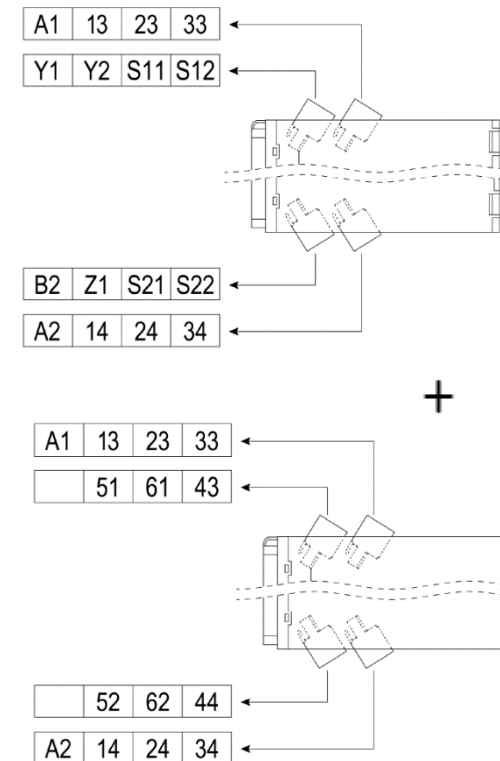


XPSAR is replaced by XPSUAF+XPSUEP – 115VAC and 230VAC

XPSAR (90mm wide)



XPSUAF+XPSUEP (45mm wide)



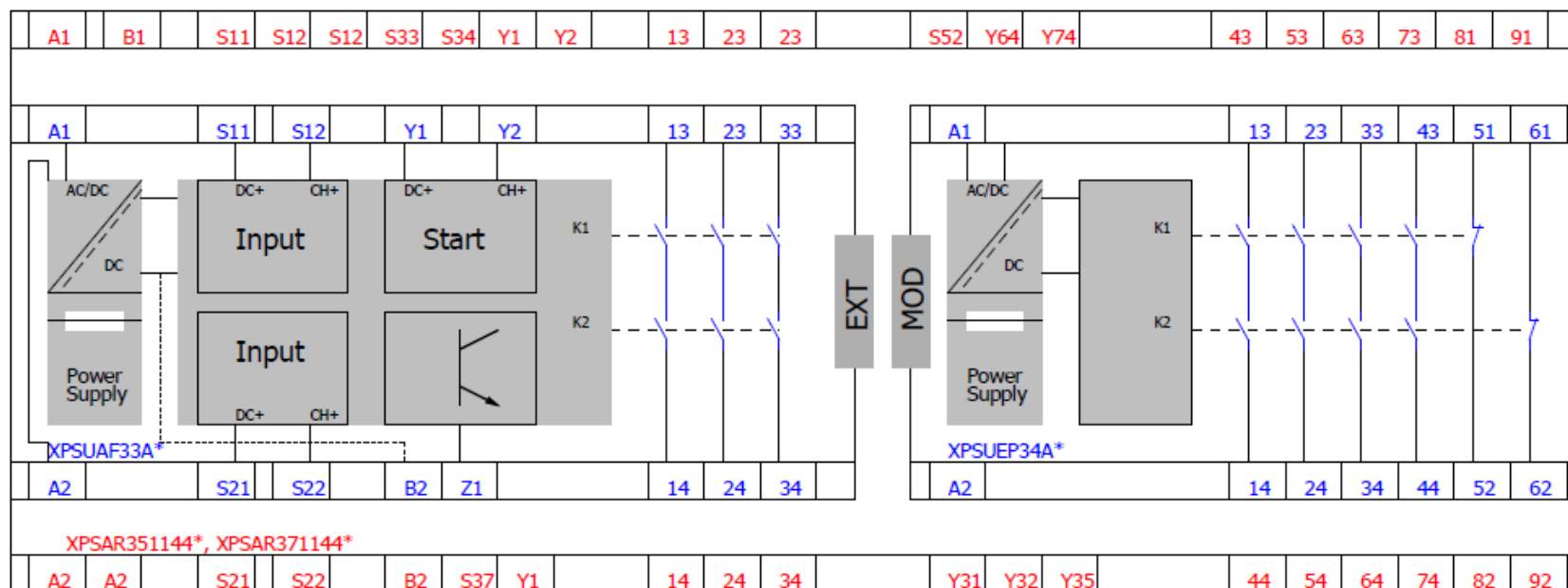
Commercial Reference	Commercial Reference
XPSAR351144	XPSUAF33AP + XPSUEP34AP
XPSAR351144P	XPSUAF33AP + XPSUEP34AP
XPSAR371144	XPSUAF33AP + XPSUEP34AP
XPSAR371144P	XPSUAF33AP + XPSUEP34AP

XPSAR is replaced by XPSUAF+XPSUEP – 115VAC and 230VAC

XPSAR

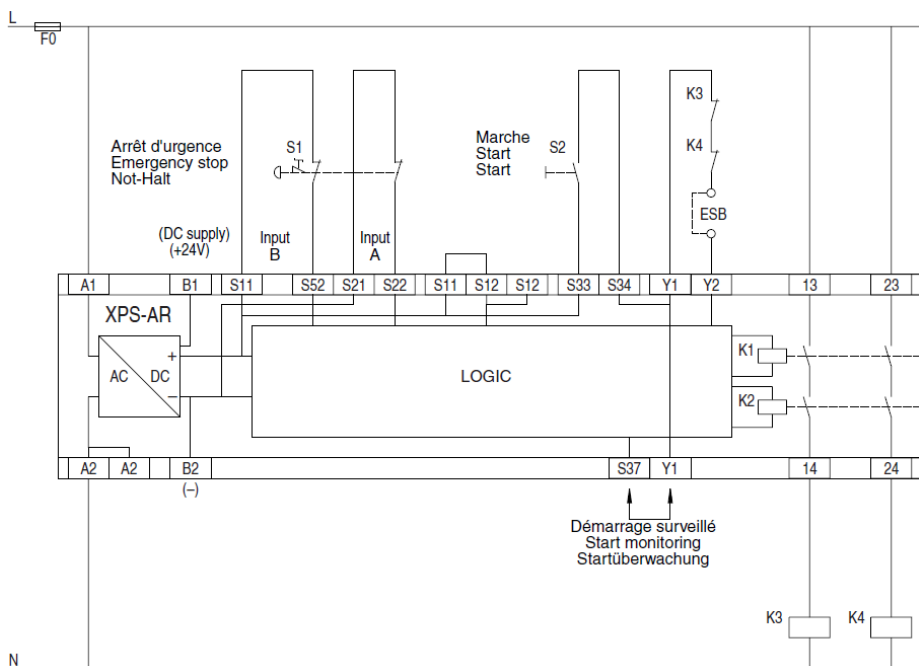


XPSUAF+XPSUEP

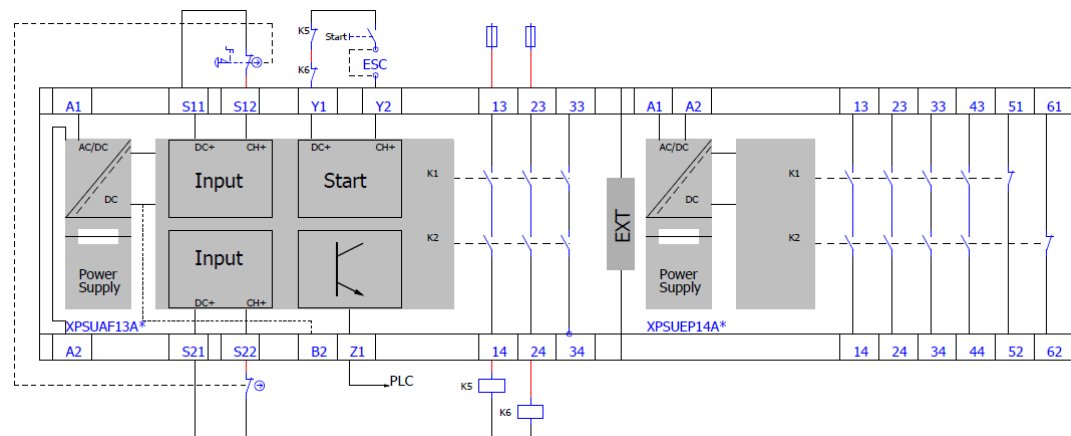


Wiring Emergency Stop diagram XPSAR & XPSUAF+XPSUEP

XPSAR



XPSUAF+XPSUEP



ESC = Conditions de démarrage externes
External start conditions
Externe Startbedingungen

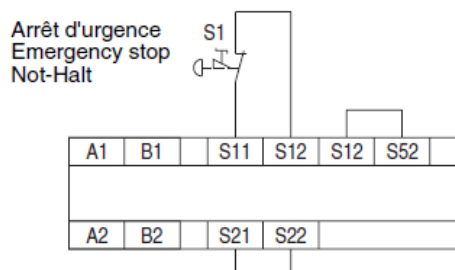
- Y1**- Control output (DC+) of start input
 - Y2**- Input channel (CH+) of start input
 - Z1**- Pulsed output for diagnostics (see User Guide page 85), not safety- related
 - B2**- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
 - EXT**- Side connector for output extension module XPSUEP
- Safety FUNCTION** position 1.
START configuration position 1 (If S37 and Y1 are opened) OR position 3 (If S37 and Y1 and bridged).
 For more possibilities and details, please refer to your user guide; page 71
Note: With appropriated input and output devices, XPSUAF+XPSUEP can reach up to PLe, Cat.4, SILCL3

Wiring Emergency Stop single channel diagram XPSAR & XPSUAF+XPSUEP

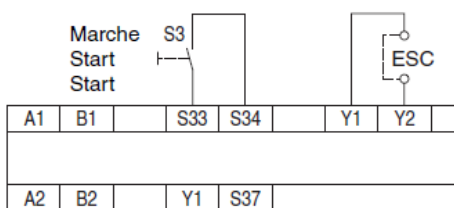
XPSAR



Arrêt d'urgence / Emergency stop / Not-Halt



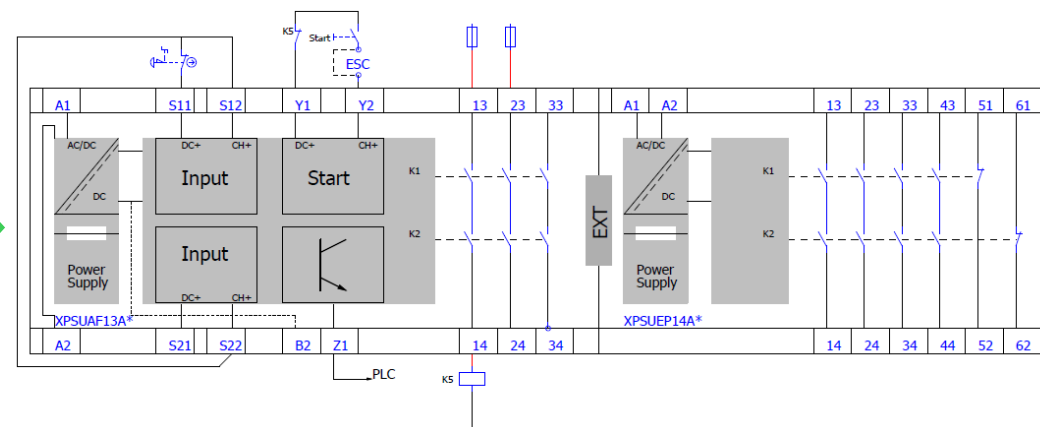
Raccordement du bouton à une voie, Catégorie 1
 One channel connection of the button, Category 1
 Tasteranschluß einkanalig, Kategorie 1



Avec surveillance du bouton de démarrage
 With monitoring of the start button
 Mit Überwachung der Starttaste

ESC = Conditions de démarrage externes
 External start conditions
 Externe Startbedingungen

XPSUAF+XPSUEP



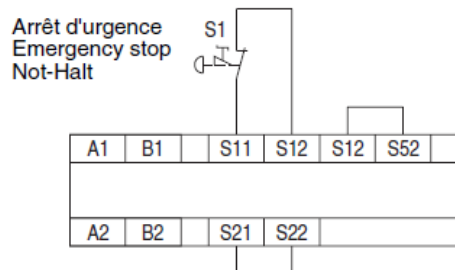
- Y1**- Control output (DC+) of start input
 - Y2**- Input channel (CH+) of start input
 - Z1**- Pulsed output for diagnostics (see User Guide page 85), not safety- related
 - B2**- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
 - EXT**- Side connector for output extension module XPSUEP
- Safety FUNCTION** position 4.
START configuration position 3.
 For more possibilities and details, please refer to your user guide; page 71
Note: With appropriated input and output devices, XPSUAF+XPSUEP can reach up to PLC, Cat.1, SILCL1

Wiring **Emergency Stop single channel** diagram XPSAR & XPSUAF+XPSUEP

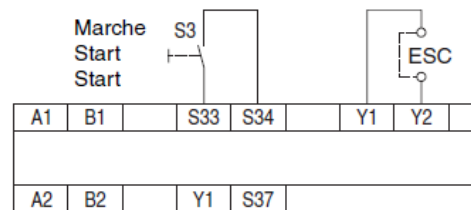
XPSAR



Arrêt d'urgence / Emergency stop / Not-Halt



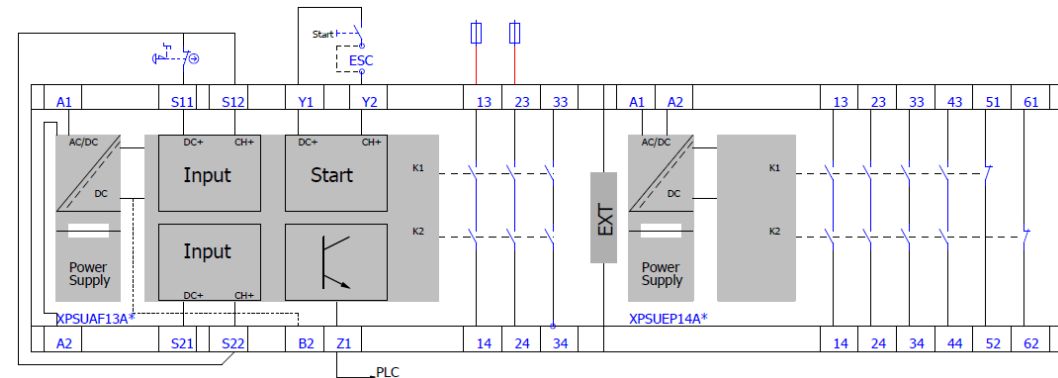
Raccordement du bouton à une voie, Catégorie 1
 One channel connection of the button, Category 1
 Tasteranschluß einkanalig, Kategorie 1



ESC = Conditions de démarrage externes
 External start conditions
 Externe Startbedingungen

Sans surveillance du bouton de démarrage
 Without monitoring of the start button
 Ohne Überwachung der Starttaste

XPSUAF+XPSUEP



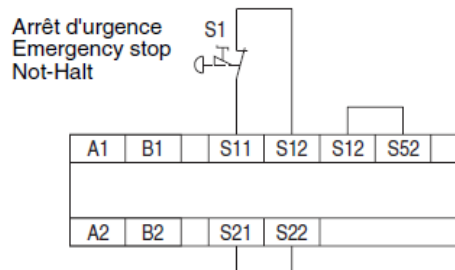
- Y1**- Control output (DC+) of start input
 - Y2**- Input channel (CH+) of start input
 - Z1**- Pulsed output for diagnostics (see User Guide page 85), not safety- related
 - B2**- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
 - EXT**- Side connector for output extension module XPSUEP
- Safety FUNCTION** position 4.
START configuration position 5.
 For more possibilities and details, please refer to your user guide; page 71
Note: With appropriated input and output devices, XPSUAF+XPSUEP can reach up to PLc, Cat.1, SILCL1

Wiring Emergency Stop single channel diagram XPSAR & XPSUAF+XPSUEP

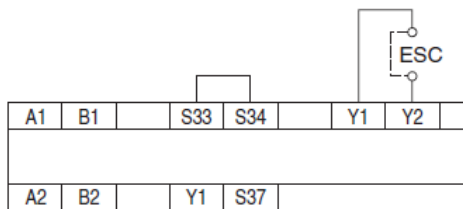
XPSAR



Arrêt d'urgence / Emergency stop / Not-Halt



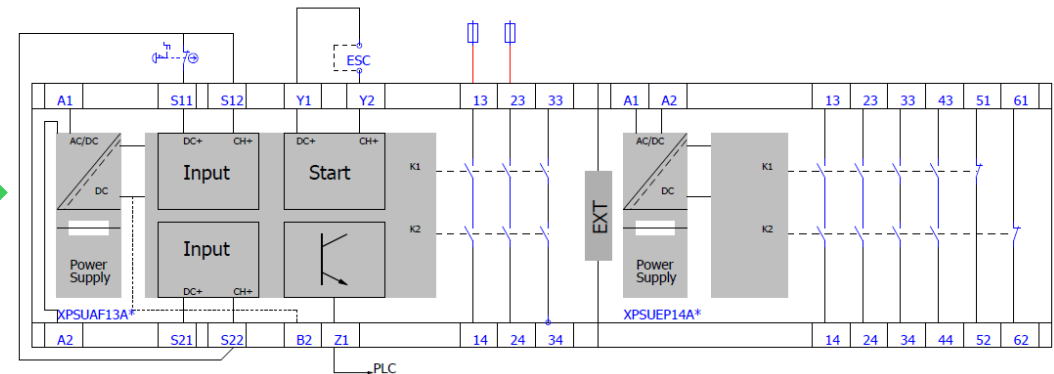
Raccordement du bouton à une voie, Catégorie 1
 One channel connection of the button, Category 1
 Tasteranschluß einkanalig, Kategorie 1



ESC = Conditions de démarrage externes
 External start conditions
 Externe Startbedingungen

Sans bouton de démarrage (démarrage automatique)
 Without start button (automatic start)
 Ohne Start-Taster (automatischer Start)

XPSUAF+XPSUEP

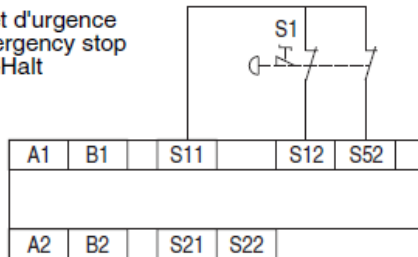


- Y1**- Control output (DC+) of start input
 - Y2**- Input channel (CH+) of start input
 - Z1**- Pulsed output for diagnostics (see User Guide page 85), not safety- related
 - B2**- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common 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, XPSUAF+XPSUEP can reach up to PLc, Cat.1, SILCL1

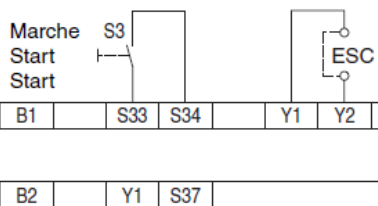
Wiring Emergency Stop diagram XPSAR & XPSUAF+XPSUEP

XPSAR

Arrêt d'urgence
Emergency stop
Not-Halt



Raccordement du bouton à deux voies, sans détection des courts-circuits, Catégorie 3
Two channel connection of the button, without short circuit detection, Category 3
Tasteranschluß zweikanalig, ohne Querschlußerkennung, Kategorie 3

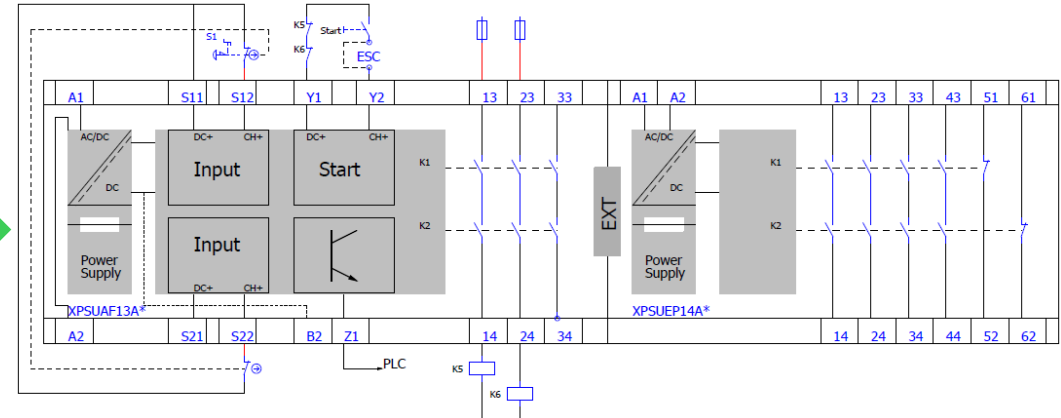


ESC = Conditions de démarrage externes
External start conditions
Externe Startbedingungen

Avec surveillance du bouton de démarrage
With monitoring of the start button
Mit Überwachung der Starttaste



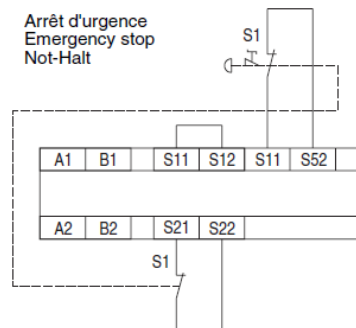
XPSUAF+XPSUEP



- 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 3.
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAF+XPSUEP can reach up to PLd, Cat.3, SILCL2

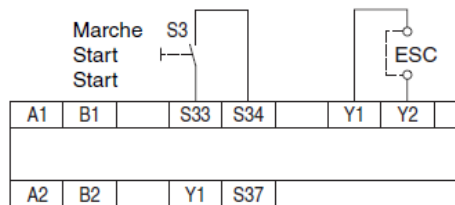
Wiring Emergency Stop diagram XPSAR & XPSUAF+XPSUEP

XPSAR



Arrêt d'urgence
Emergency stop
Not-Halt

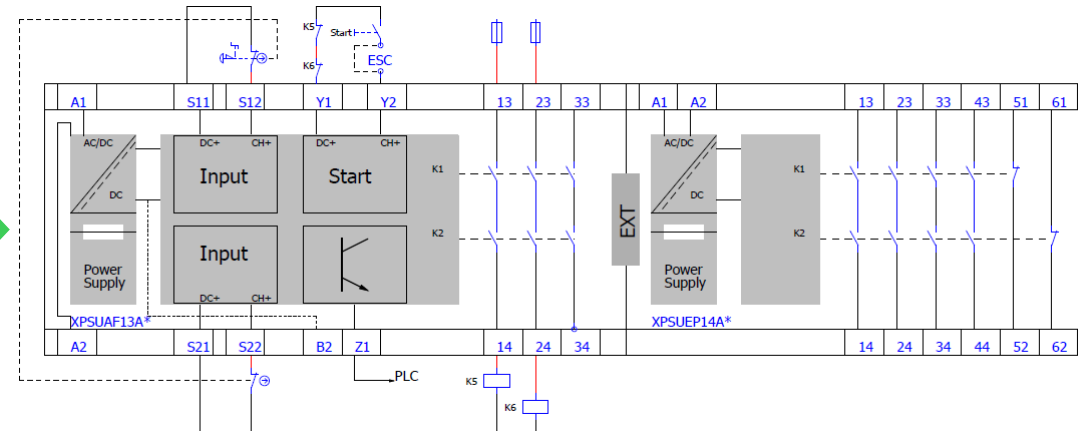
Raccordement du bouton à deux voies, avec détection des courts-circuits, Catégorie 4 (application conseillée)
Two channel connection of the button, with short circuit detection, Category 4 (recommended application)
Tasteranschluß zweikanalig, mit Querschlußerkennung, Kategorie 4 (empfohlene Verwendung)



Avec surveillance du bouton de démarrage
With monitoring of the start button
Mit Überwachung der Starttaste

ESC = Conditions de démarrage externes
External start conditions
Externe Startbedingungen

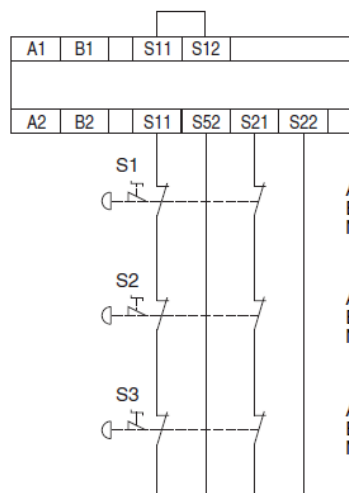
XPSUAF+XPSUEP



- 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 3.
(for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAF+XPSUEP can reach up to PLe, Cat.4, SILCL3

Wiring Emergency Stop in series* diagram XPSAR & XPSUAF+XPSUEP

XPSAR

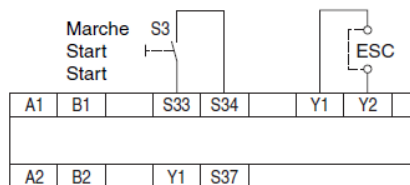


Arrêt d'urgence 1
Emergency stop 1
Not-Halt 1

Arrêt d'urgence 2
Emergency stop 2
Not-Halt 2

Arrêt d'urgence 3
Emergency stop 3
Not-Halt 3

Raccordement de plusieurs boutons arrêt d'urgence, Catégorie 3
Connection of several emergency stop buttons, Category 3
Anschluß mehrerer Not-Halt Taster, Kategorie 3

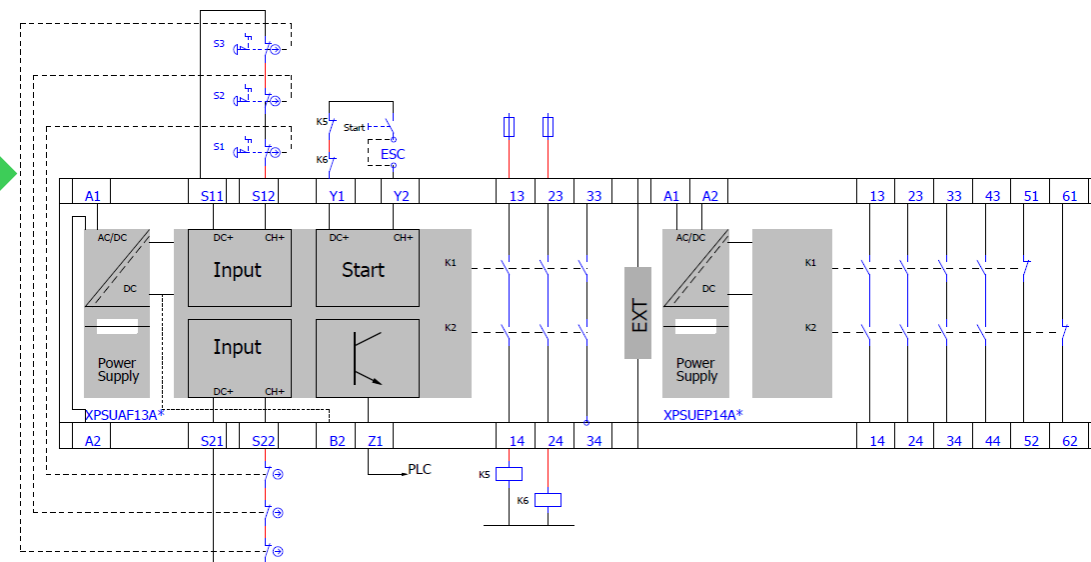


ESC = Conditions de démarrage externes
External start conditions
Externe Startbedingungen

Avec surveillance du bouton de démarrage
With monitoring of the start button
Mit Überwachung der Starttaste



XPSUAF+XPSUEP



Y1- Control output (DC+) of start input

Y2- Input channel (CH+) of start input

Z1- Pulsed output for diagnostics (see User Guide page 79), 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 3.

For more details, please refer to your user guide page 71

* **NOTE:**

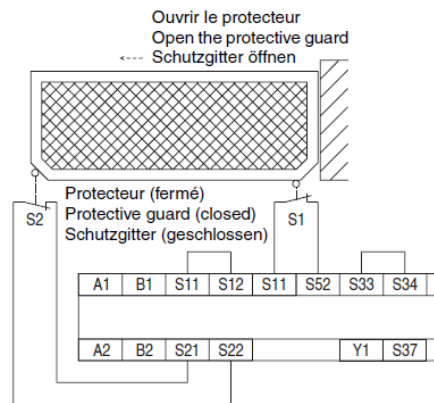
The number of Emergency Stop devices (SRP/CSa), to be used in series at the same Safety-Related input must follow the below technical data:

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

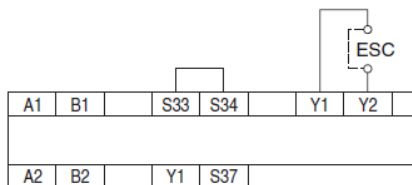
Note: In this application, with appropriated input and output devices, XPSUAF+XPSUEP can reach up to PLd, Cat.3, SILCL2

Wiring Safety Switch diagram XPSAR & XPSUAF+XPSUEP

XPSAR



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

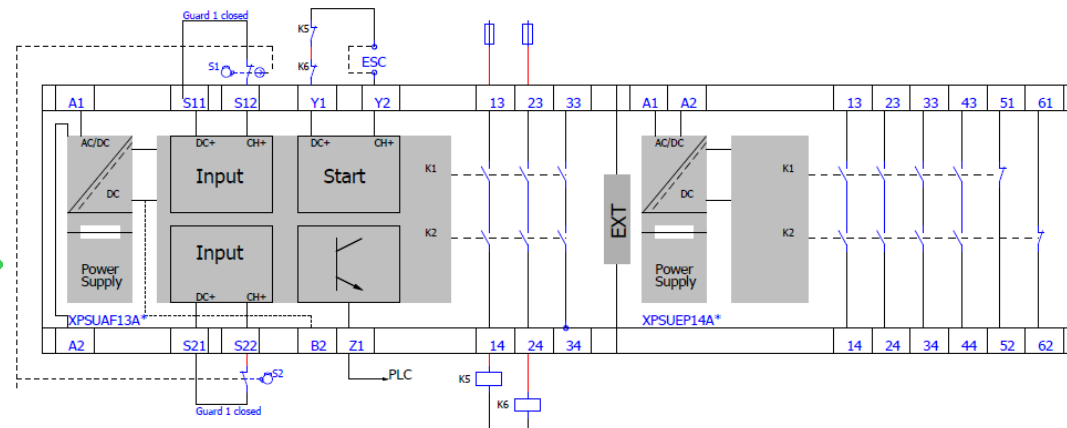


ESC = Conditions de démarrage externes
 External start conditions
 Externe Startbedingungen

Sans bouton de démarrage (démarrage automatique)
 Without start button (automatic start)
 Ohne Start-Taster (automatischer Start)



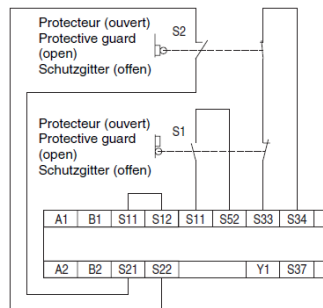
XPSUAF+XPSUEP



- 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
 (refer to Start Functions under your user guide, page 71 for details)
Note: With appropriated input and output devices, XPSUAF+XPSUEP can reach up to PLc, Cat.4, SILCL3

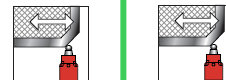
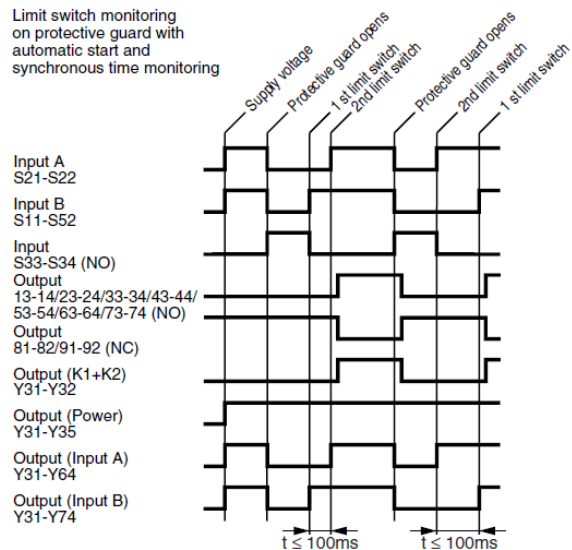
Wiring Safety Switch diagram XPSAR & XPSUAF+XPSUEP

XPSAR



Protecteur avec fenêtre de temps et démarrage automatique
 Protective guard with time window and automatic start
 Schutzgitter mit Zeitfenster und Auto-Start

Limit switch monitoring on protective guard with automatic start and synchronous time monitoring



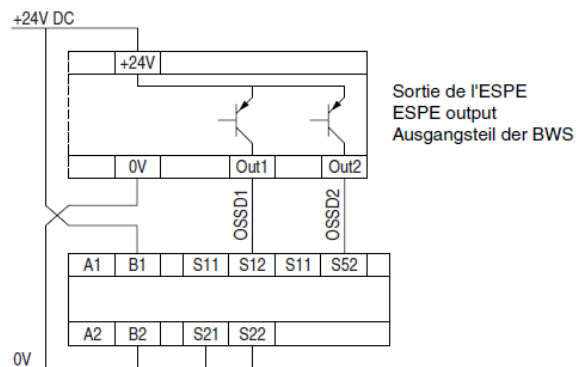
XPSUAF+XPSUEP

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

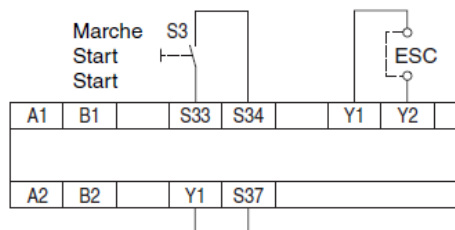
Wiring Safety Switch diagram XPSAR & XPSUAF+XPSUEP

XPSAR

Surveillance d'équipements de protection electro-sensible
 Monitoring of electro-sensible protective equipment
 Überwachung einer Berührungslos wirkenden Schutzeinrichtung (BWS)

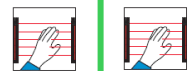


Sortie de l'ESPE
 ESPE output
 Ausgangsteil der BWS

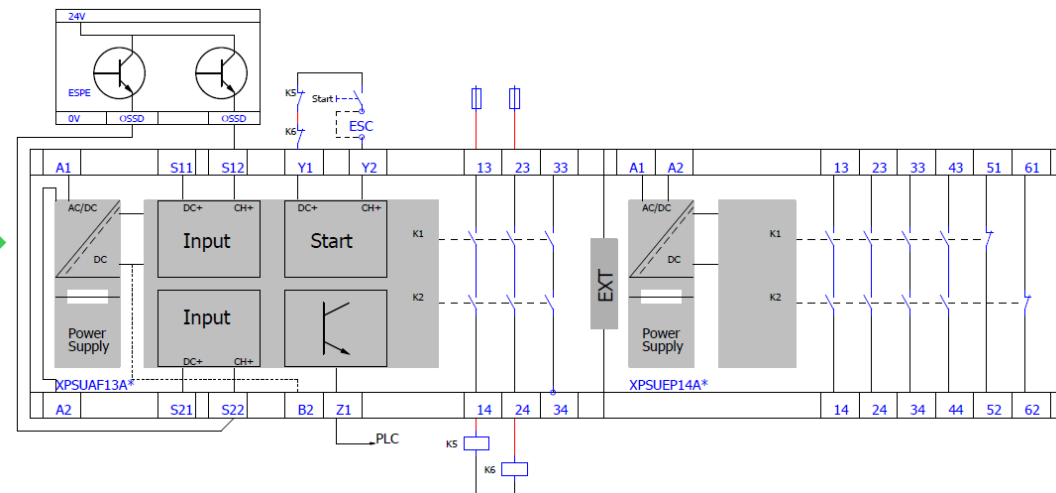


Avec surveillance du bouton de démarrage
 With monitoring of the start button
 Mit Überwachung der Starttaste

ESC = Conditions de démarrage externes
 External start conditions
 Externe Startbedingungen



XPSUAF+XPSUEP



- 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 6.
START configuration position 3.
 For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAF+XPSUEP can reach up to PLe, Cat.4, SILCL3

XPSAR range can be replaced either by the combination of XPSUAF+XPSUEP ranges or by the XPSUAT range, according to the below number of contacts:

XPSAR range

It has 7 safety NO outputs + 2 single NC outputs

XPSUAF+XPSUEP ranges

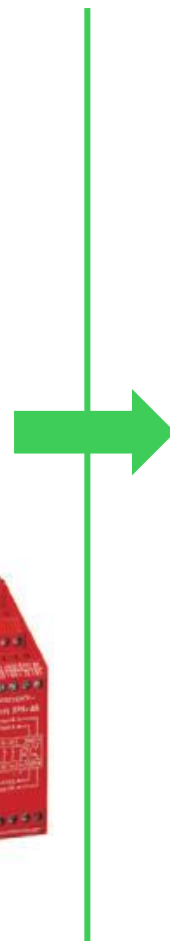
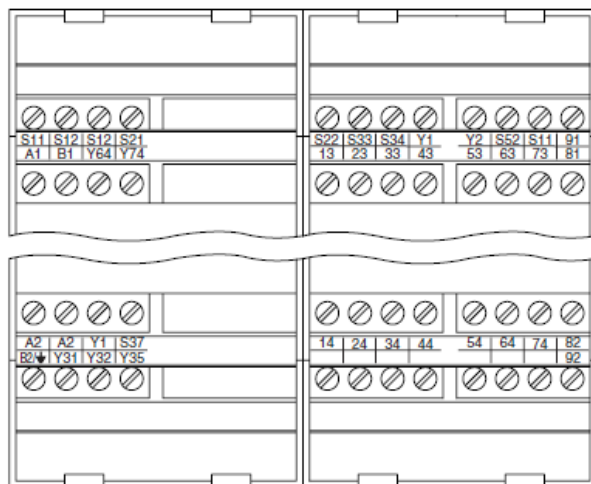
The combination has 7 safety NO outputs + 2 single NC outputs

XPSUAT range

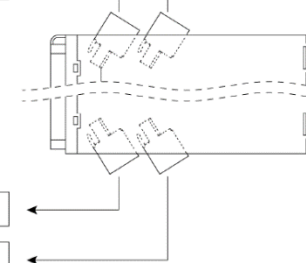
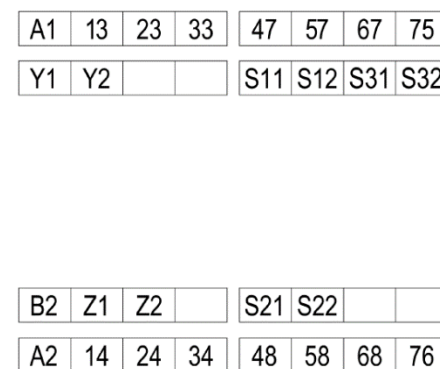
It has 6 safety NO outputs + 1 safety NC output

XPSAR is replaced by XPSUAT – 24V

XPSAR (90mm wide)



XPSUAT (45mm wide)



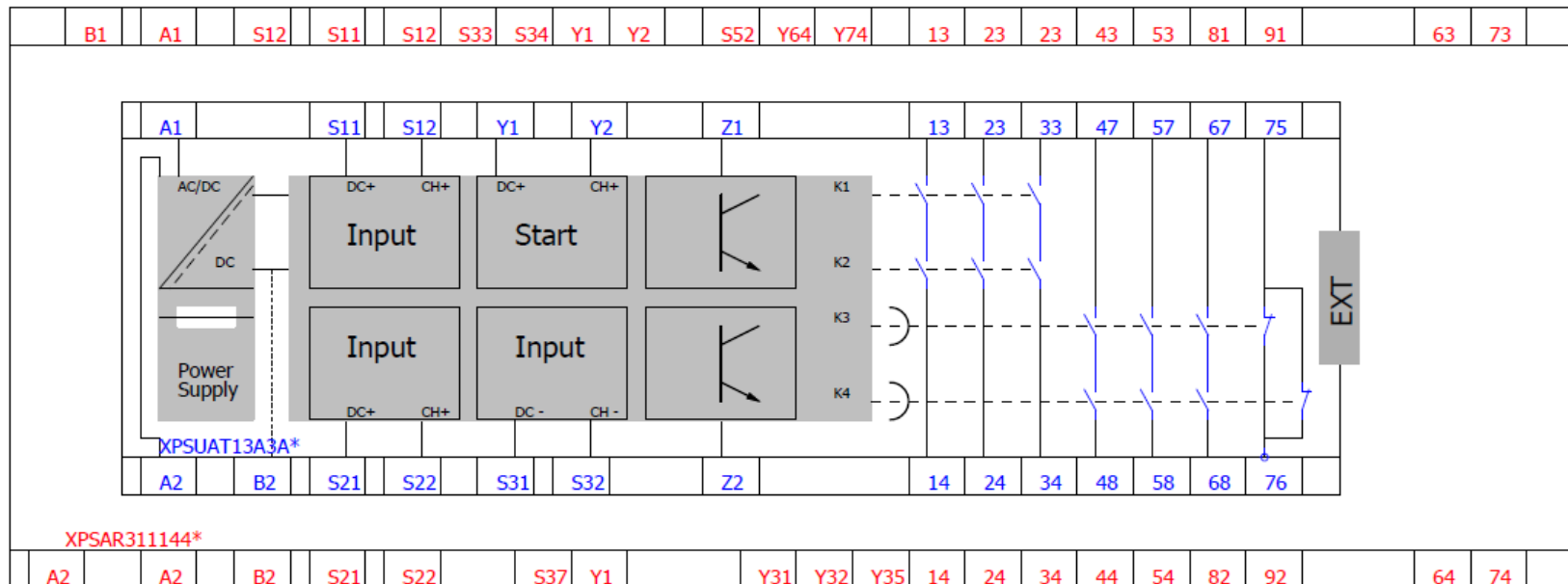
Commercial Reference	Commercial Reference
XPSAR311144	XPSUAT13A3AP
XPSAR311144P	XPSUAT13A3AP

XPSAR is replaced by XPSUAT – 24V

XPSAR

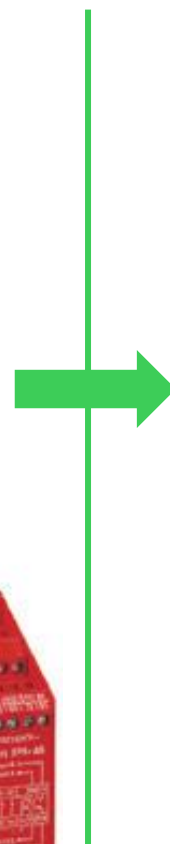
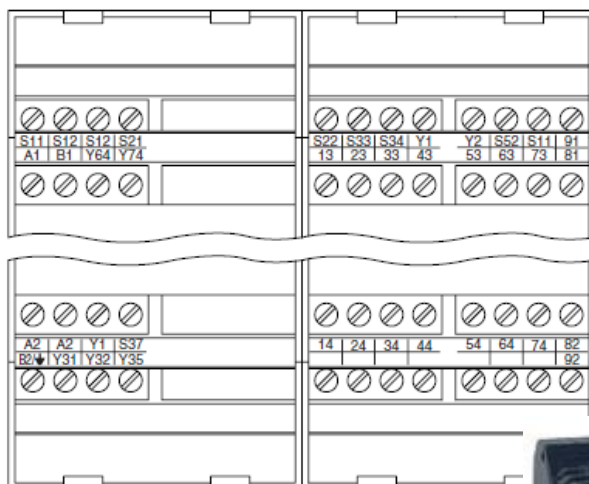


XPSUAT

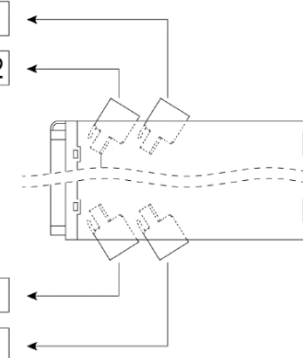
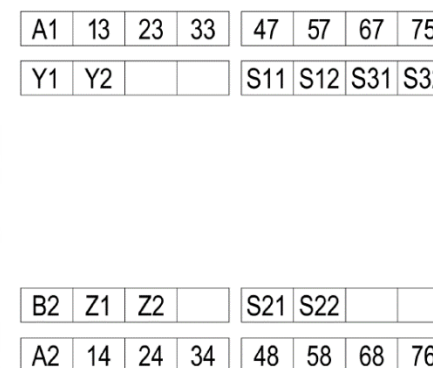


XPSAR is replaced by XPSUAT – 115VAC and 230VAC

XPSAR (90mm wide)



XPSUAT (45mm wide)



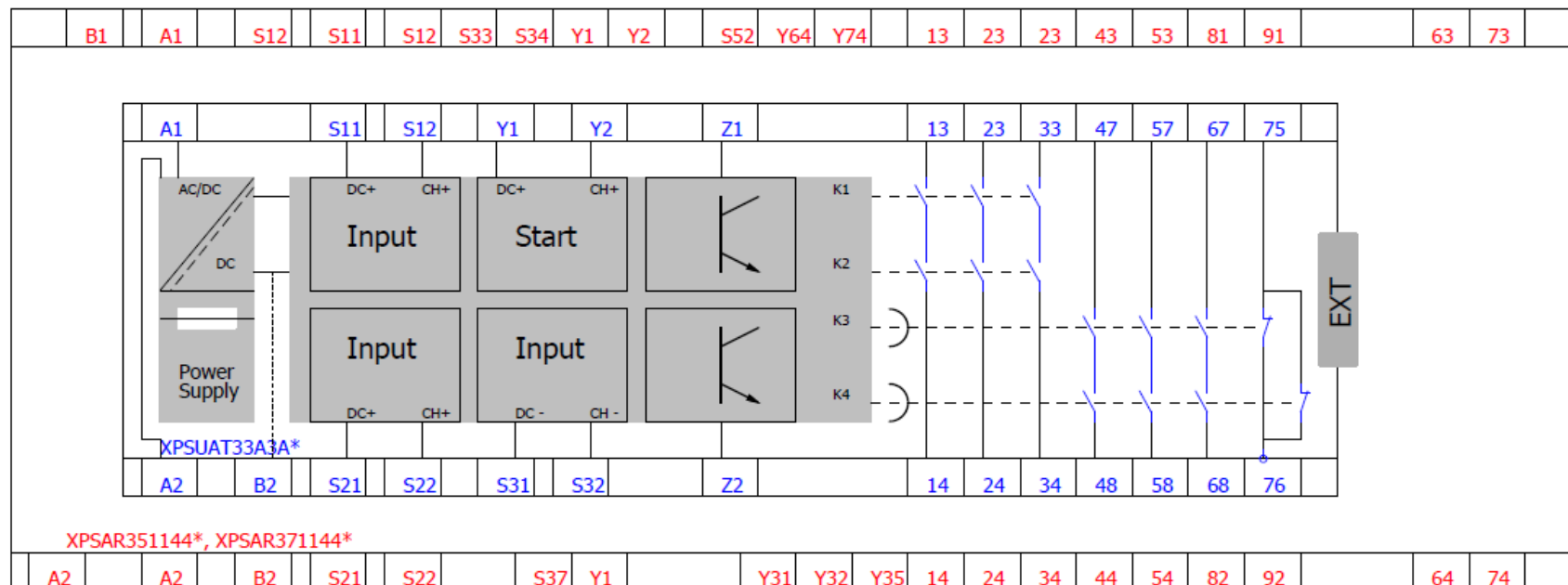
Commercial Reference	Commercial Reference
XPSAR351144	XPSUAT33A3AP
XPSAR351144P	XPSUAT33A3AP
XPSAR371144	XPSUAT33A3AP
XPSAR371144P	XPSUAT33A3AP

XPSAR is replaced by XPSUAT – 115VAC and 230VAC

XPSAR

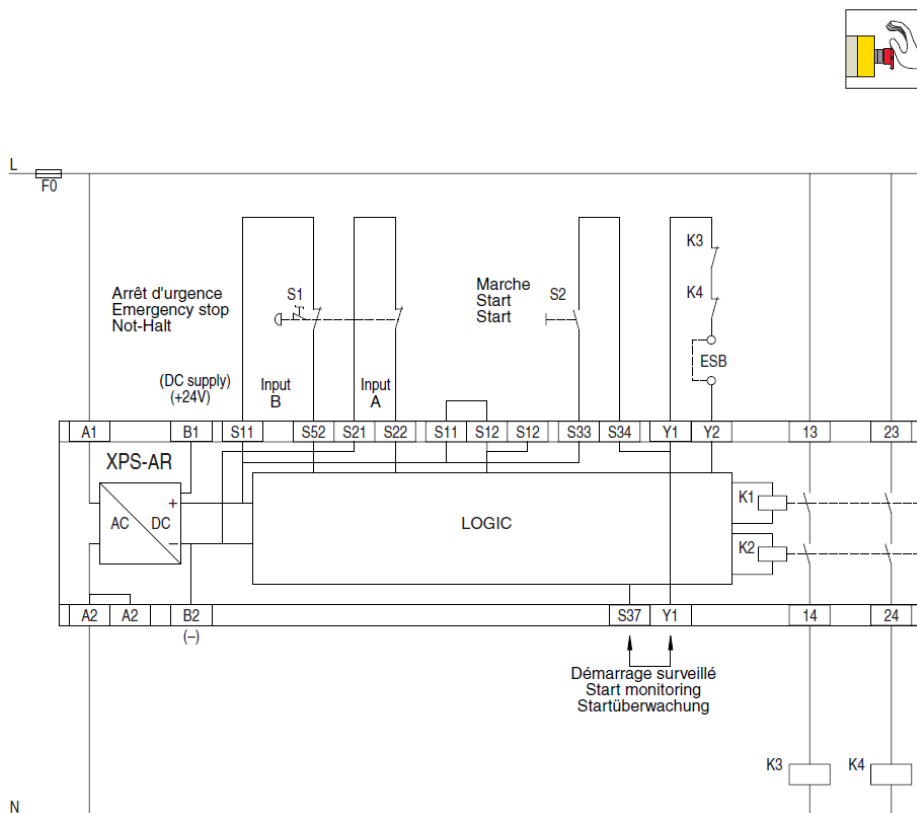


XPSUAT



Wiring Emergency Stop diagram XPSAR & XPSUAT

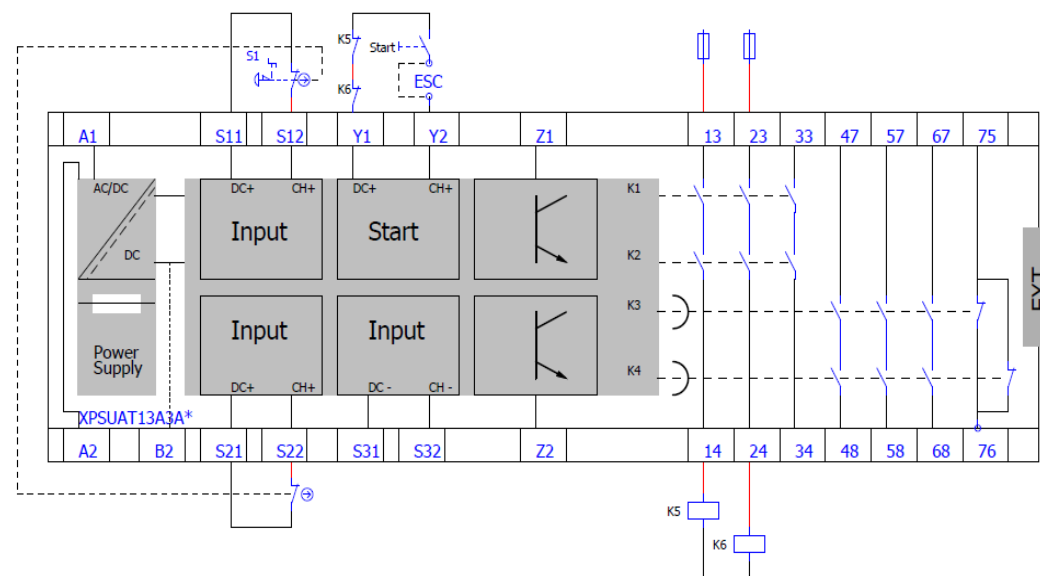
XPSAR



ESC = Conditions de démarrage externes
External start conditions
Externe Startbedingungen



XPSUAT



- 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 (If S37 and Y1 are opened) OR position 3 (If S37 and Y1 and bridged).
DELAY BASE position 1 (to use the delayed output contacts without time delay)
DELAY FACTOR position 1 (to use the delayed output contacts without time delay)
 (for more possibilities and details, please refer to your user guide; page 71)
Note: With appropriated input and output devices, XPSUAT 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.

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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.

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