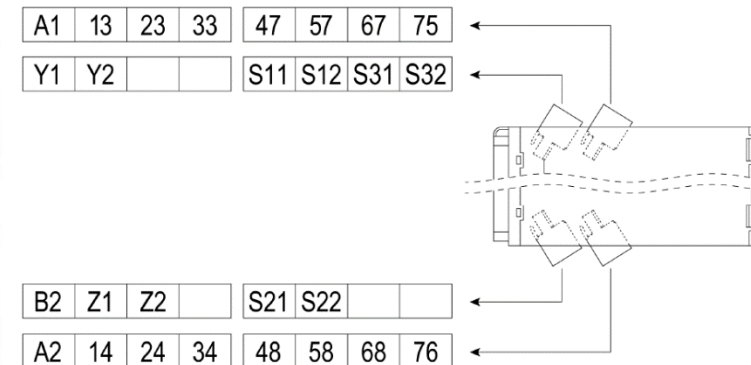
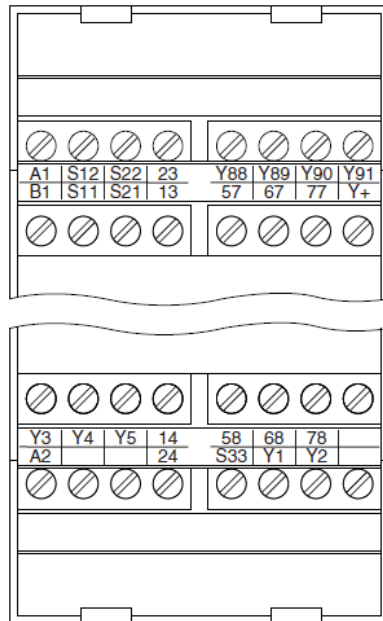


## XPSATE is replaced by XPSUAT – 24VDC

**XPSATE**

**XPSUAT**

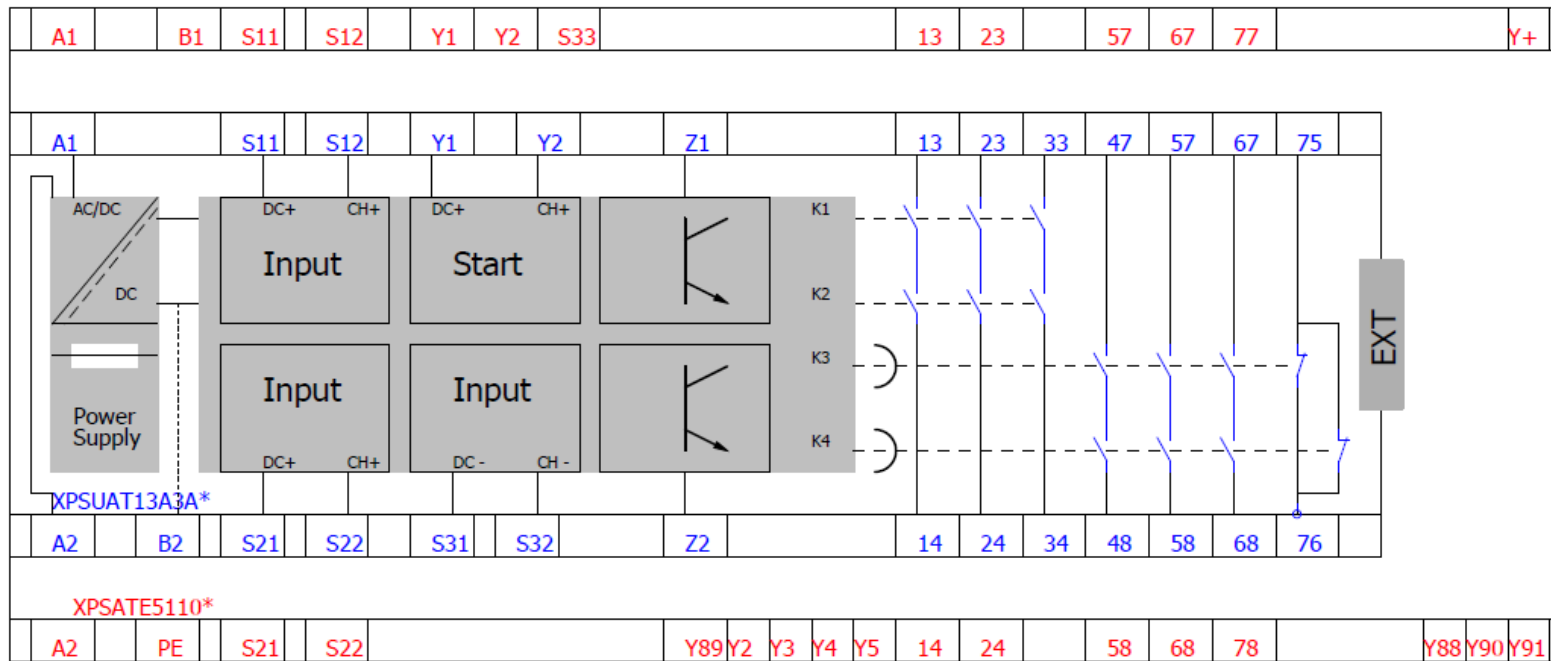


Commercial Reference	Commercial Reference
XPSATE5110	XPSUAT13A3AP
XPSATE5110P	XPSUAT13A3AP

## XPSATE is replaced by XPSUAT – 24VDC

XPSATE

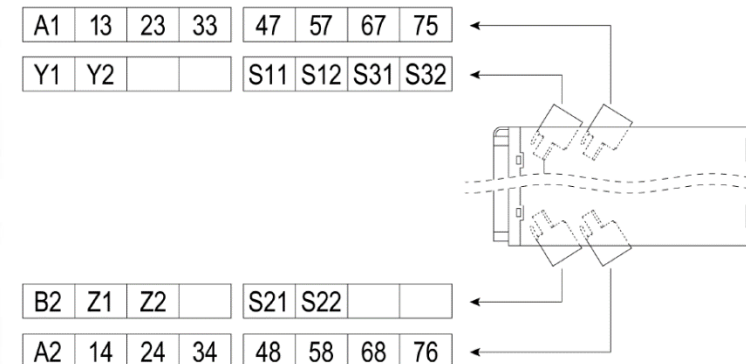
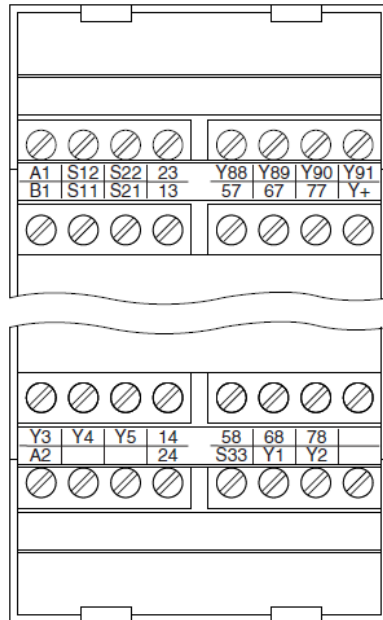
XPSUAT



## XPSATE is replaced by XPSUAT – 115V and 230V

**XPSATE**

**XPSUAT**

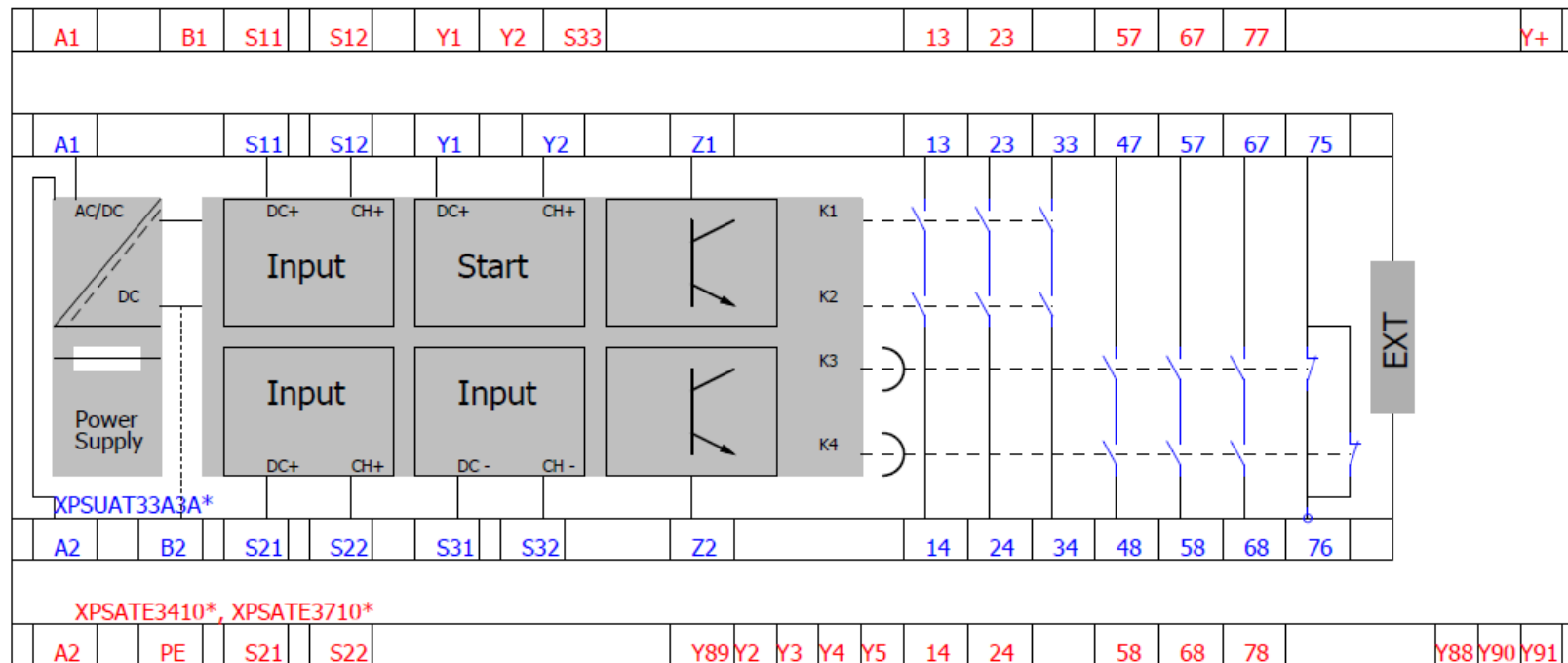


Commercial Reference	Commercial Reference
XPSATE3410	XPSUAT33A3AP
XPSATE3410P	XPSUAT33A3AP
XPSATE3710	XPSUAT33A3AP
XPSATE3710P	XPSUAT33A3AP

## XPSATE is replaced by XPSUAT – 115V and 230V

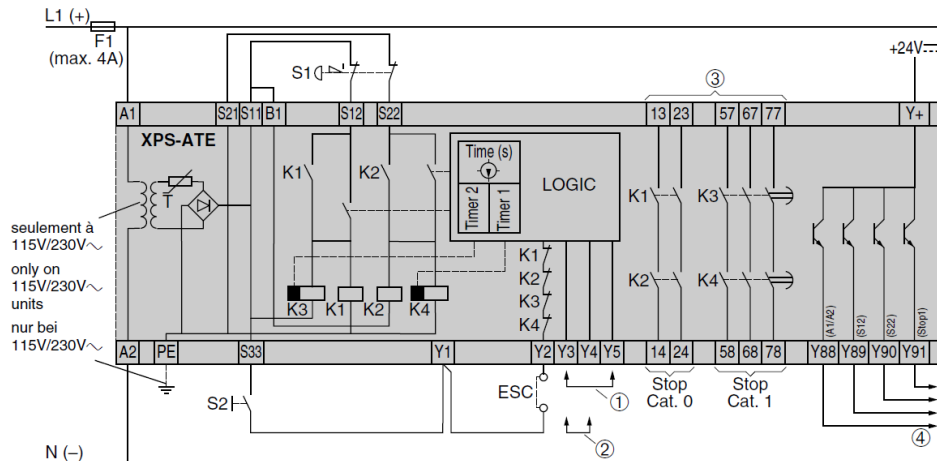
**XPSATE**

**XPSUAT**



# Wiring Emergency Stop diagram XPSATE & XPSUAT

## XPSATE

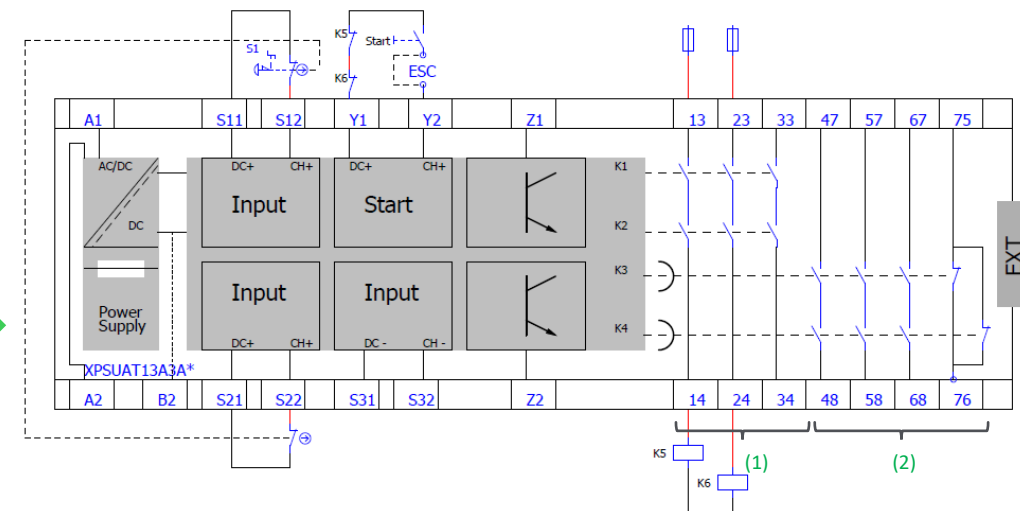


① Avec surveillance du bouton de démarrage (État de livraison, application conseillée)  
 With monitoring of the start button, switching on the trailing edge (Delivered condition, recommended application)  
 Mit Starttasterüberwachung (Lieferzustand, empfohlene Verwendung)

② Sans surveillance du bouton de démarrage  
 Without monitoring of the start button, switching on the leading edge  
 Ohne Starttasterüberwachung



## XPSUAT

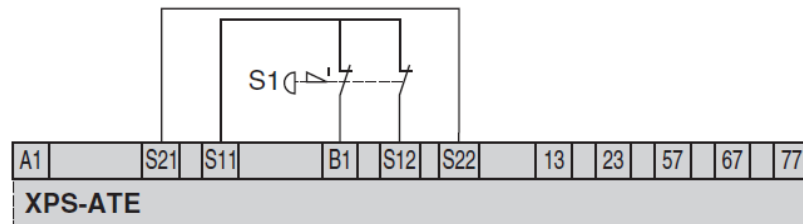


- Y1**- Control output (DC+) of start input
- Y2**- Input channel (CH+) of start input
- Z1**- Pulsed output for diagnostics (see User Guide page 85), not safety- related
- B2**- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
- EXT**- Side connector for output extension module XPSUEP
- (1) Immediate opening safety outputs (stop category 0).
- (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).

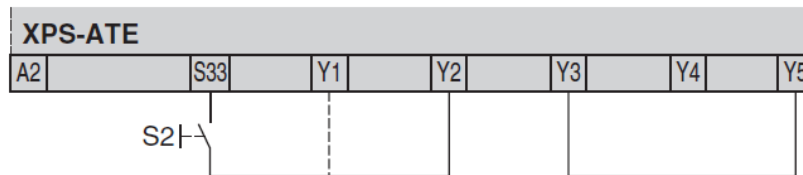
**Safety FUNCTION** position 1.  
**START** configuration position 3 (Y3/Y5 from the XPSATE has a bridge) OR position 1 (Y3/Y4 from XPSATE has a bridge).  
 For more details, please refer to your user guide page 71  
**Note:** With appropriated input and output devices, XPSUAT can reach up to PLe, Cat.4, SILCL3

Wiring **Emergency Stop** diagram XPSATE & XPSUAT

XPSATE

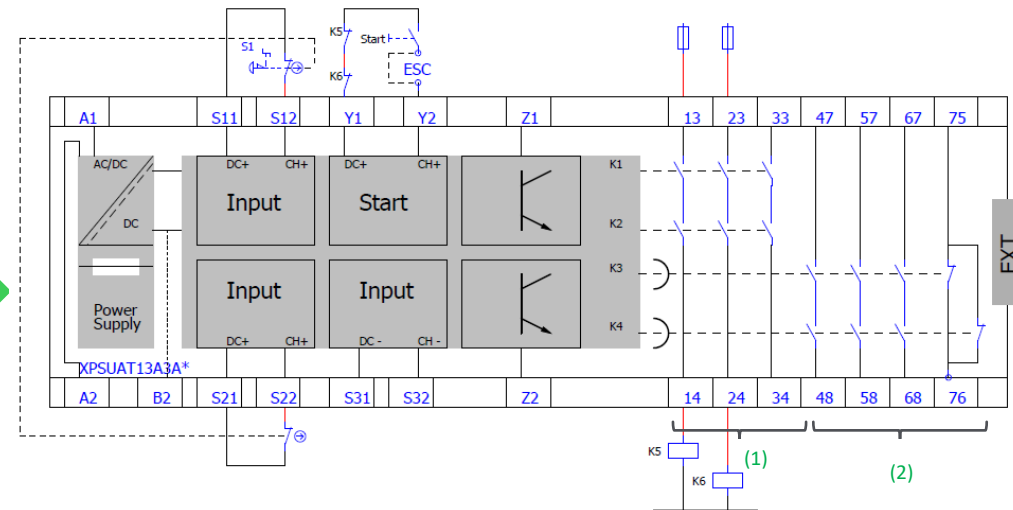


**XPS-ATE**  
 Bouton poussoir d'ARRET D'URGENCE doté de 2 contacts à ouverture  
 (Pas de detection d'un court-circuit entre les bornes B1-S12)  
 EMERGENCY STOP - push button with two NC contacts  
 (A short-circuit between the terminals B1-S12 is not detected)  
 Not-Halt - Taster mit zwei Öffnerkontakten  
 (ohne Querschlußüberwachung)



Avec surveillance du bouton de démarrage  
 (État de livraison, application conseillée)  
 With monitoring of the start button, switching on the trailing edge  
 (Delivered condition, recommended application)  
 Mit Starttasterüberwachung  
 (Lieferzustand, empfohlene Verwendung)

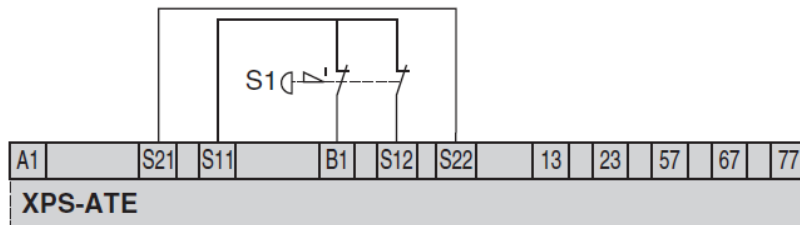
XPSUAT



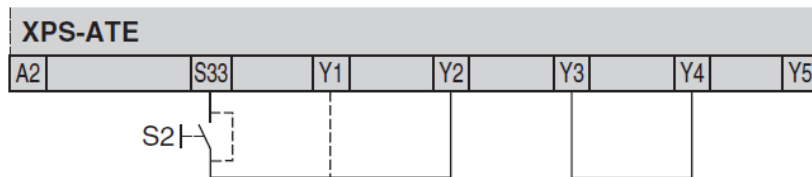
- Y1**- Control output (DC+) of start input
  - Y2**- Input channel (CH+) of start input
  - Z1**- Pulsed output for diagnostics (see User Guide page 85), not safety- related
  - B2**- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
  - EXT**- Side connector for output extension module XPSUEP
  - (1) Immediate opening safety outputs (stop category 0).
  - (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).
- Safety FUNCTION** position 4.  
**START configuration** position 3 (Y3/Y5 from XPSATE has a bridge).  
 For more details, please refer to your user guide page 71

# Wiring Emergency Stop diagram XPSATE & XPSUAT

## XPSATE



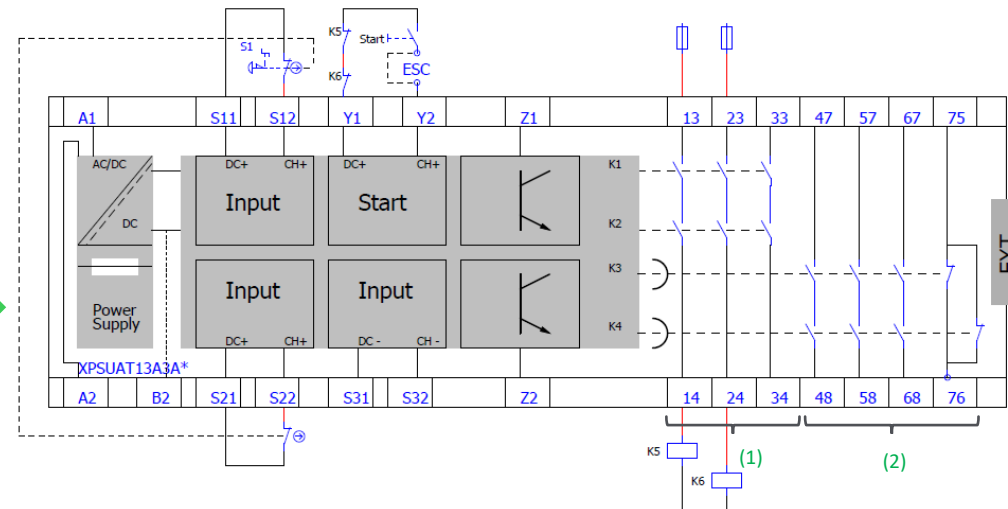
Bouton poussoir d'ARRET D'URGENCE doté de 2 contacts à ouverture  
 (Pas de détection d'un court-circuit entre les bornes B1-S12)  
 EMERGENCY STOP - push button with two NC contacts  
 (A short-circuit between the terminals B1-S12 is not detected)  
 Not-Halt - Taster mit zwei Öffnerkontakten  
 (ohne Querschlußüberwachung)



Sans surveillance du bouton de démarrage  
 Without monitoring of the start button, switching on the leading edge  
 Dotted line around S2 indicates wiring for automatic start  
 Ohne Starttasterüberwachung



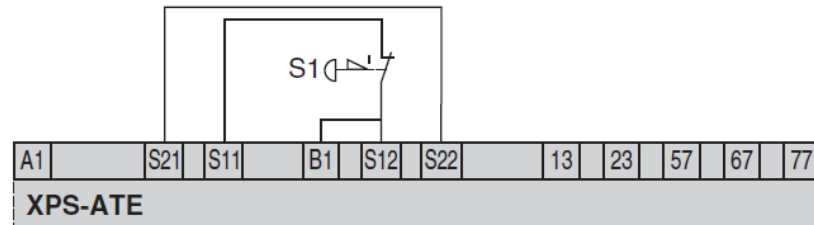
## XPSUAT



- 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
  - (1)** Immediate opening safety outputs (stop category 0).
  - (2)** Immediate or Time delay opening safety outputs (stop category 0 or 1).
- Safety FUNCTION** position 4.  
**START configuration** position 1 (Y3/Y4 from XPSATE has a bridge).  
 For more details, please refer to your user guide page 71

Wiring Emergency Stop single channel diagram XPSATE & XPSUAT

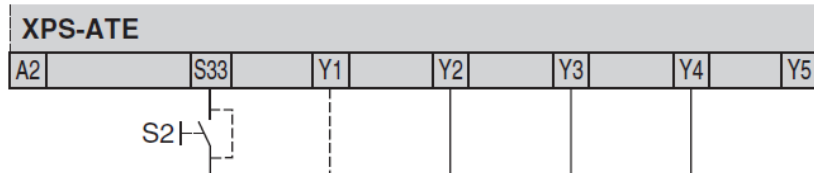
XPSATE



Bouton d'ARRET D'URGENCE doté d'un contact à ouverture  
(Tous les défauts ne sont pas détectés:  
un court-circuit sur le bouton-poussoir d'ARRET D'URGENCE n'est pas détecté)

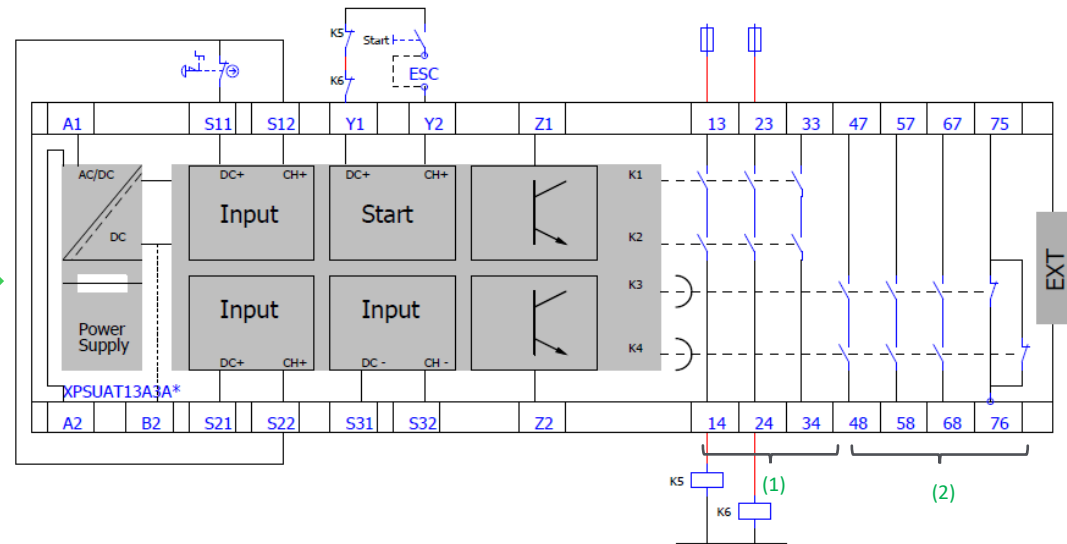
EMERGENCY STOP - push button with one NC contact  
(Not all faults are detected:  
a short-circuit on the EMERGENCY STOP - button is not detected)

Not-Halt - Taster mit einem Öffnerkontakt  
(Es werden nicht alle Fehler erkannt:  
Eine Brücke über dem Not-Halt - Taster wird nicht erfaßt)



Sans surveillance du bouton de démarrage  
Without monitoring of the start button, switching on the leading edge  
Dotted line around S2 indicates wiring for automatic start  
Ohne Starttasterüberwachung

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
- (1) Immediate opening safety outputs (stop category 0).
- (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).

**Safety FUNCTION** position 4.  
**START configuration** position 3 (Y3/Y5 from XPSATE has a bridge) OR position 1 (Y3/Y4 from XPSATE has a bridge).

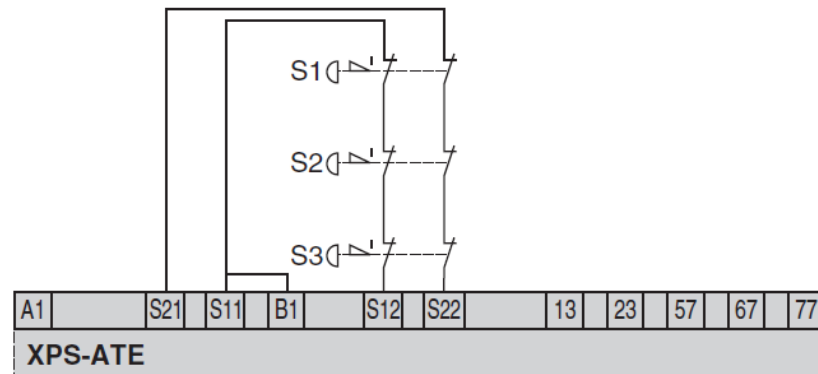
For more details, please refer to your user guide page 71

**Note:** With appropriated input and output devices, XPSUAT can reach up to Cat.1, SILCL1

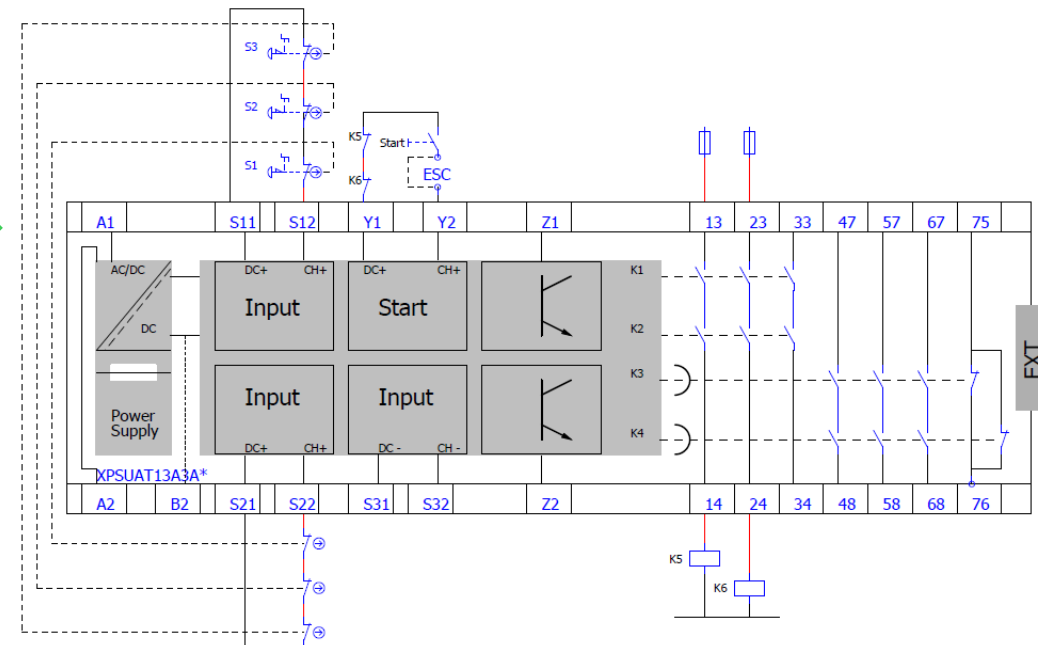


Wiring **Emergency Stop in series\*** diagram XPSATE & XPSUAT

XPSATE



XPSUAT



Wiring **Emergency Stop in series\*** diagram XPSATE & XPSUAT**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 3 (Y3/Y5 from XPSATE has a bridge) OR position 1 (Y3/Y4 from XPSATE has a bridge).

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

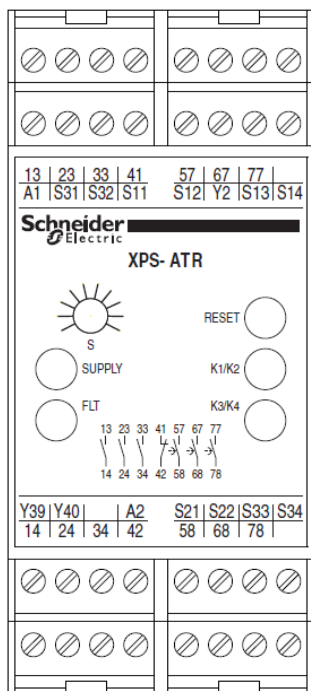
\* **NOTE:**

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

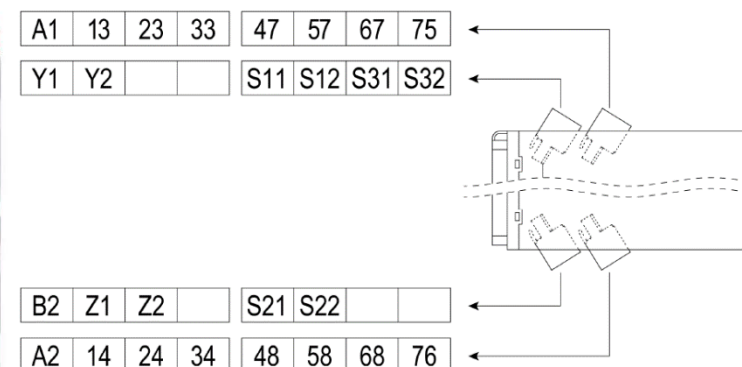
- Maximum resistance at each of the Safety-Related input (including wires/cables): 500Ω (Ohms)
- Minimum Voltage at each of the Safety-Related input: 15VDC

## XPSATR is replaced by XPSUAT – 24VDC

XPSATR



XPSUAT

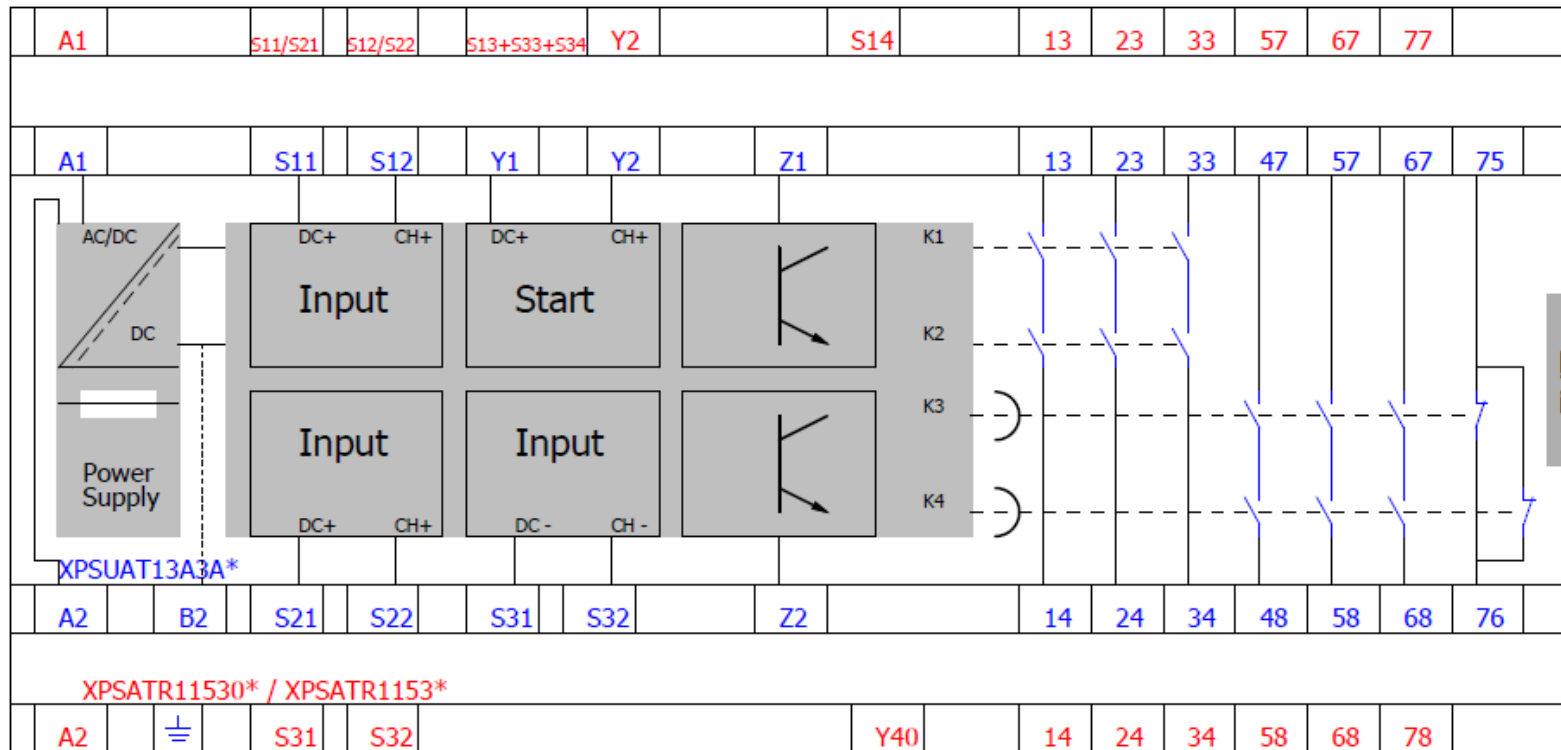


Commercial Reference	Commercial Reference
XPSATR11530C	XPSUAT13A3AC
XPSATR11530P	XPSUAT13A3AP
XPSATR1153C	XPSUAT13A3AC
XPSATR1153P	XPSUAT13A3AP

## XPSATR is replaced by XPSUAT – 24VDC

**XPSATR**

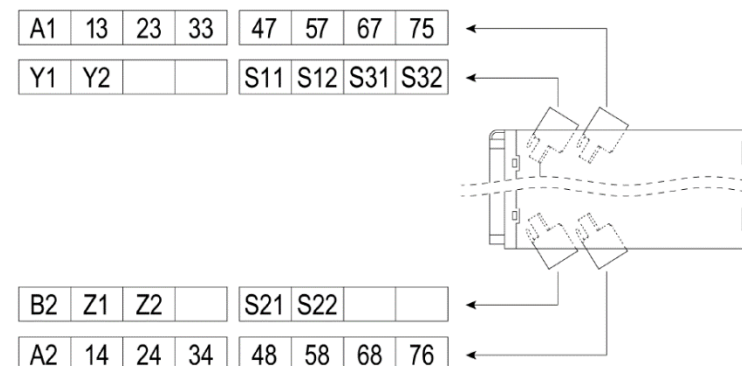
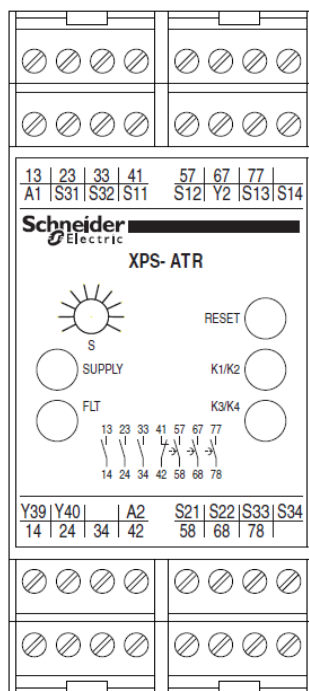
**XPSUAT**



## XPSATR is replaced by XPSUAT – 115V and 230V

XPSATR

XPSUAT

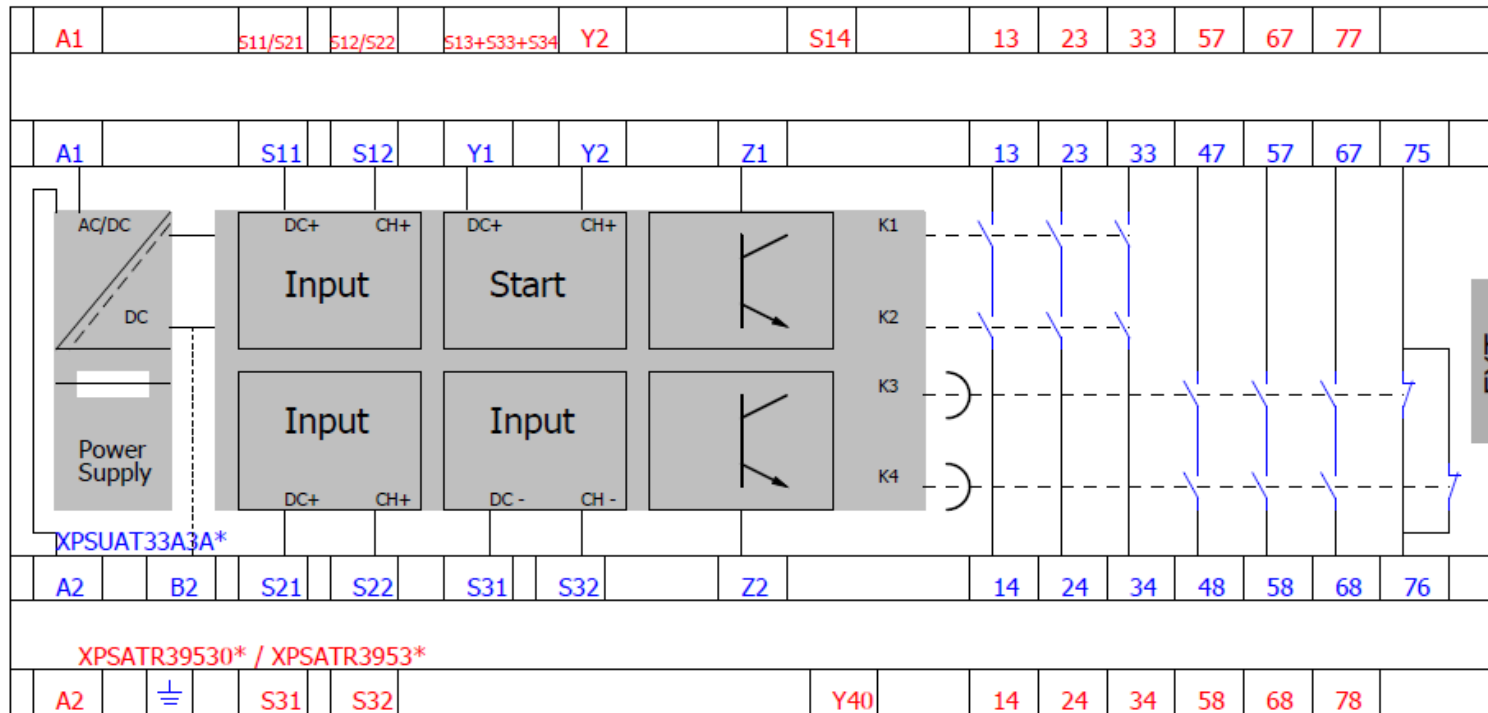


Commercial Reference	Commercial Reference
XPSATR39530C	XPSUAT33A3AC
XPSATR39530P	XPSUAT33A3AP
XPSATR3953C	XPSUAT33A3AC
XPSATR3953P	XPSUAT33A3AP

XPSATR is replaced by XPSUAT – 115V and 230V

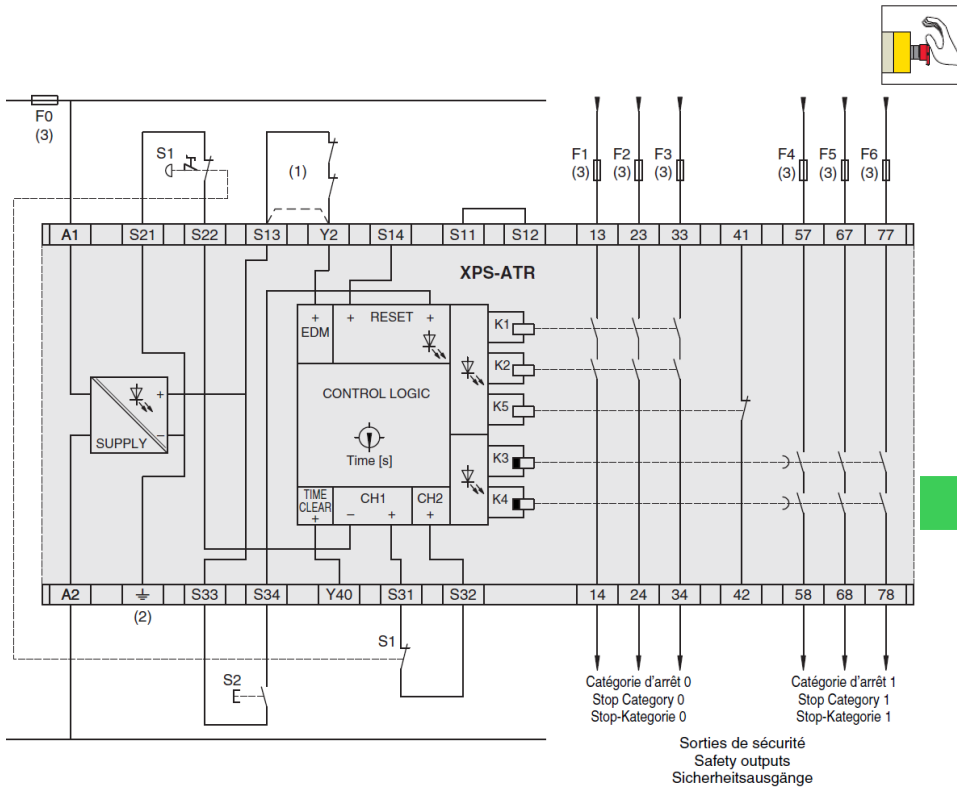
XPSATR

XPSUAT

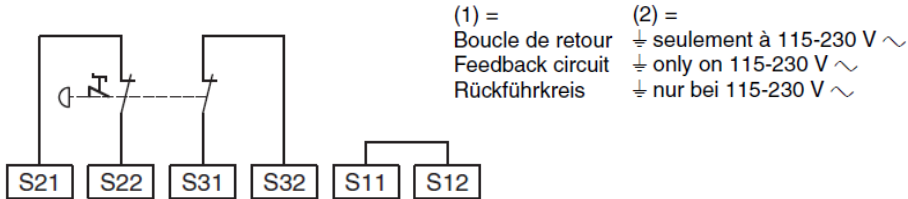
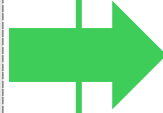
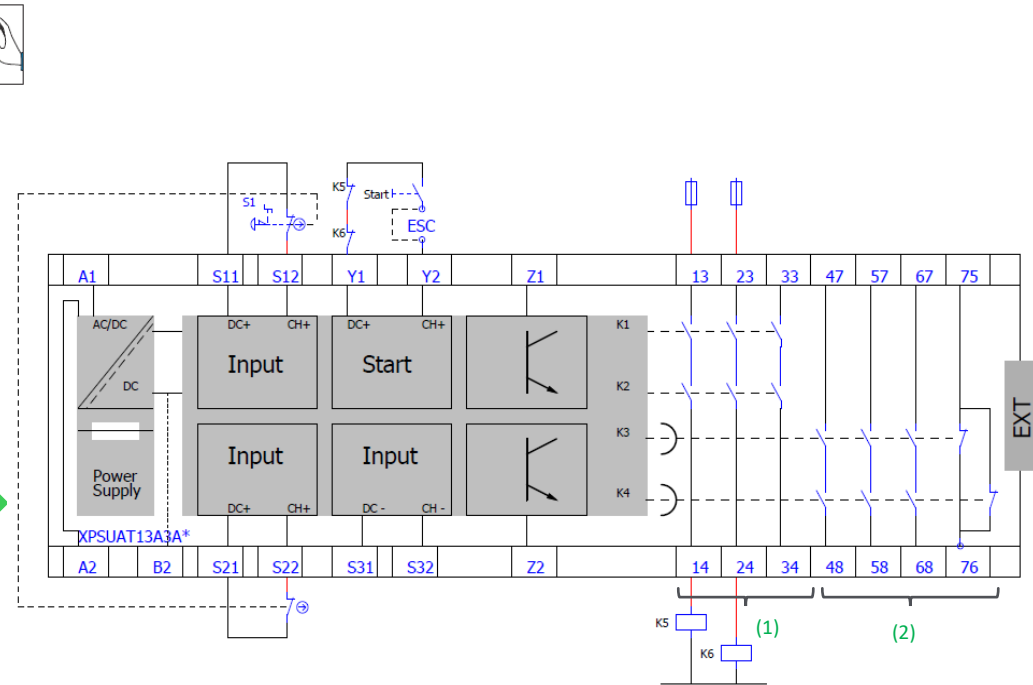


# Wiring Emergency Stop diagram XPSATR & XPSUAT

## XPSATR



## XPSUAT



Arrêt d'urgence, bi-canal avec détection de courts-circuits transversaux  
EMERGENCY STOP, two-channel with crossover detection  
NOT-HALT, zweikanalig mit Querschlusserkennung

- 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
- (1) Immediate opening safety outputs (stop category 0).
- (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).

Safety FUNCTION position 1.

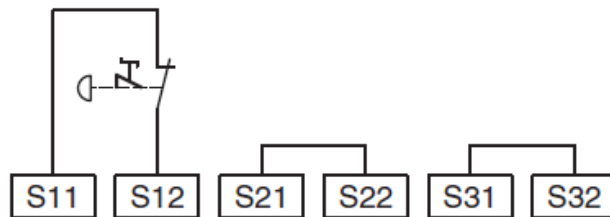
START configuration position 3.

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

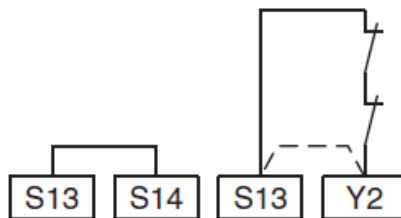
Note: With appropriated input and output devices, XPSUAT can reach up to PLe, Cat.4, SILCL3

Wiring **Emergency Stop single channel** diagram XPSATR & XPSUAT

XPSATR

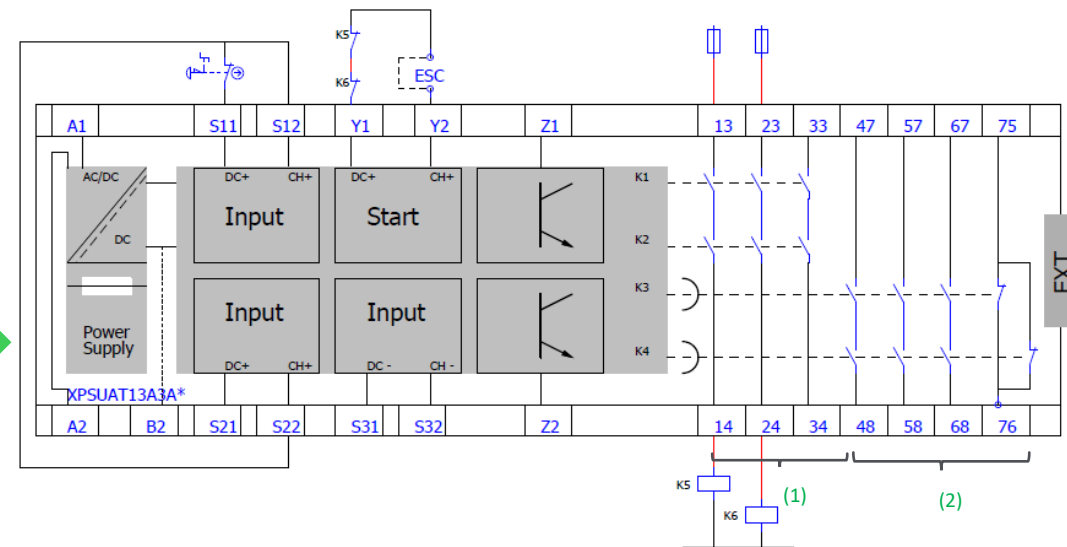


Arrêt d'urgence, monocanal  
EMERGENCY STOP, single-channel  
NOT-HALT, einkanlig



Réinitialisation, automatique avec boucle de retour  
Reset, automatic with feedback circuit  
Reset, automatisch mit Rückführkreis

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
- (1) Immediate opening safety outputs (stop category 0).
- (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).

**Safety FUNCTION** position 4.

**START** configuration position 1.

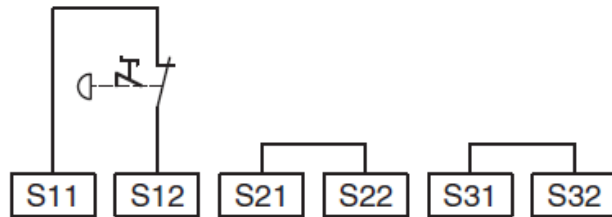
For more details, please refer to your user guide page 71

**Note:** With appropriated input and output devices, XPSUAT can reach up to Cat.1, SILCL1

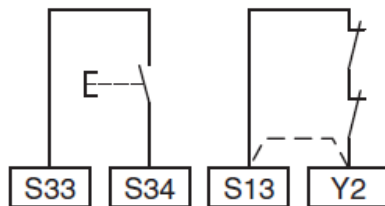


Wiring Emergency Stop single channel diagram XPSATR & XPSUAT

XPSATR

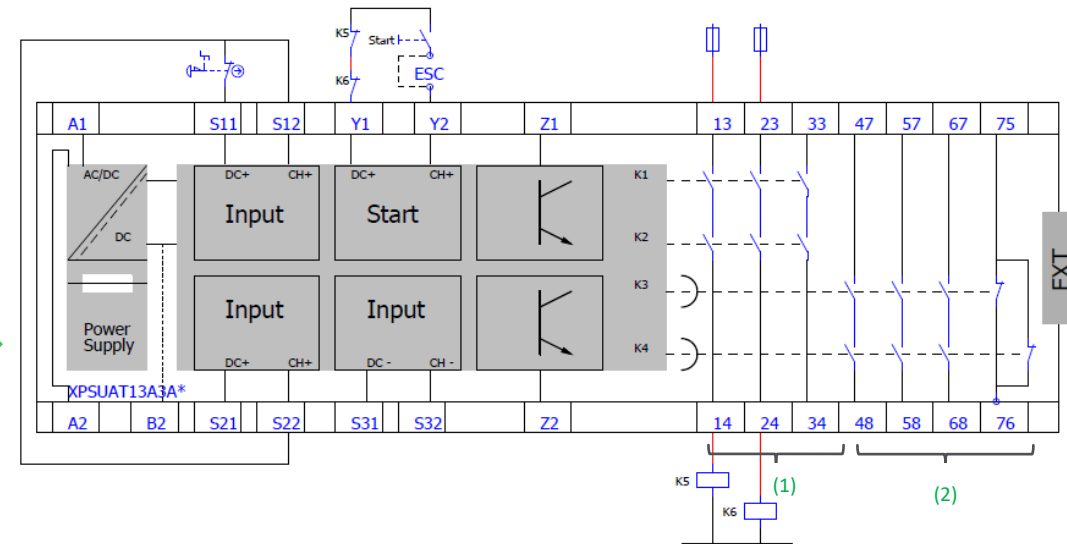


Arrêt d'urgence, monocanal  
EMERGENCY STOP, single-channel  
NOT-HALT, einkanlig



Réinitialisation, contrôle manuel avec boucle de retour  
Reset, manually monitored with feedback circuit  
Reset, manuell überwacht mit Rückführkreis

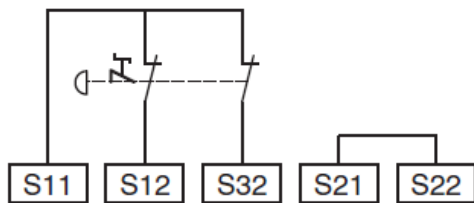
XPSUAT



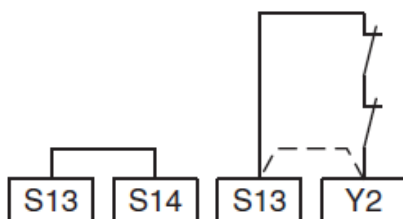
- Y1- Control output (DC+) of start input
  - Y2- Input channel (CH+) of start input
  - Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
  - B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
  - EXT- Side connector for output extension module XPSUEP
  - (1) Immediate opening safety outputs (stop category 0).
  - (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).
- Safety **FUNCTION** position 4.  
**START** configuration position 3.  
 For more details, please refer to your user guide page 71  
**Note:** With appropriated input and output devices, XPSUAT can reach up to Cat.1, SILCL1

Wiring Emergency Stop diagram XPSATR & XPSUAT

XPSATR

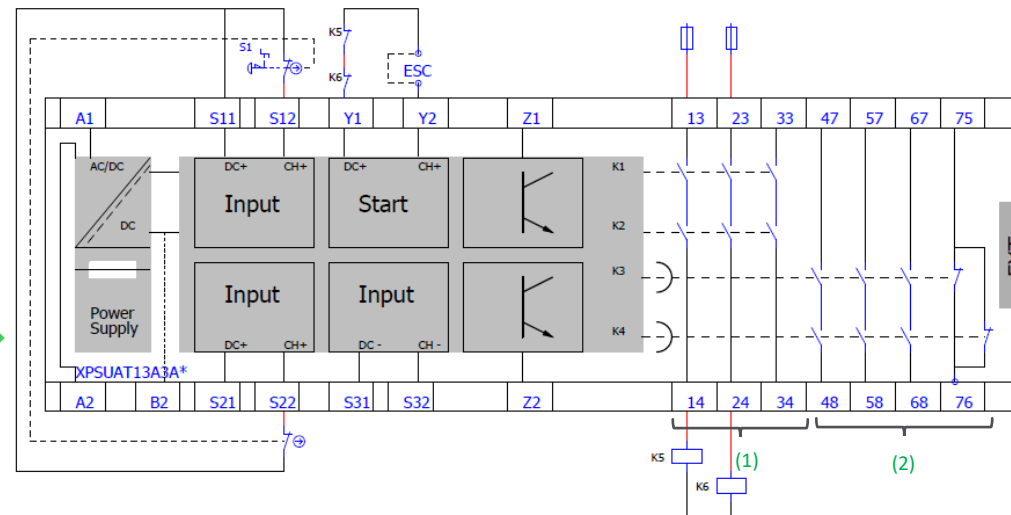


Arrêt d'urgence, bi-canal sans détection de courts-circuits transversaux  
 EMERGENCY STOP, two-channel without crossover detection  
 NOT-HALT, zweikanalig ohne Querschlusserkennung



Réinitialisation, automatique avec boucle de retour  
 Reset, automatic with feedback circuit  
 Reset, automatisch mit Rückführkreis

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
- (1) Immediate opening safety outputs (stop category 0).
- (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).

**Safety FUNCTION** position 4.

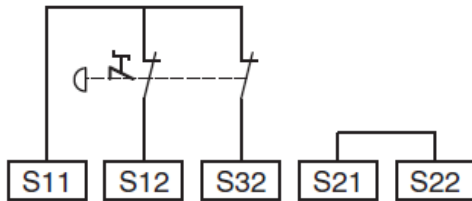
**START configuration** position 1.

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

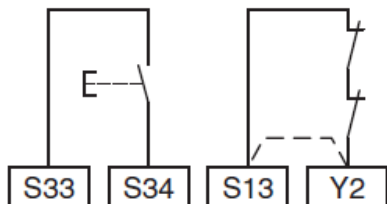
**Note:** With appropriated input and output devices, XPSUAT can reach up to PLd, Cat.3, SILCL2

Wiring Emergency Stop diagram XPSATR & XPSUAT

XPSATR

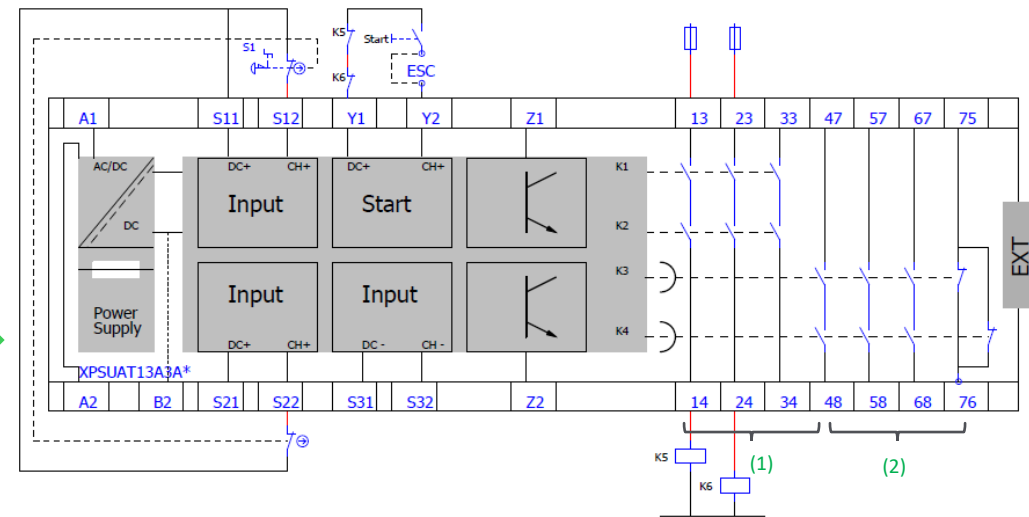


Arrêt d'urgence, bi-canal sans détection de courts-circuits transversaux  
 EMERGENCY STOP, two-channel without crossover detection  
 NOT-HALT, zweikanalig ohne Querschlusserkennung



Réinitialisation, contrôle manuel avec boucle de retour  
 Reset, manually monitored with feedback circuit  
 Reset, manuell überwacht mit Rückführkreis

XPSUAT

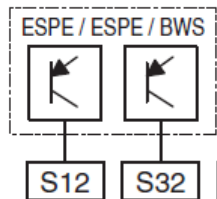


- Y1**- Control output (DC+) of start input
  - Y2**- Input channel (CH+) of start input
  - Z1**- Pulsed output for diagnostics (see User Guide page 85), not safety- related
  - B2**- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
  - EXT**- Side connector for output extension module XPSUEP
  - (1) Immediate opening safety outputs (stop category 0).*
  - (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).*
- Safety FUNCTION** position 4.  
**START configuration** position 3.  
 For more details, please refer to your user guide page 71  
**Note:** With appropriated input and output devices, XPSUAT can reach up to PLd, Cat.3, SILCL2

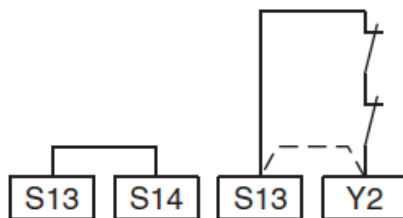
Wiring **Safety Light Curtain** diagram XPSATR & XPSUAT

XPSATR

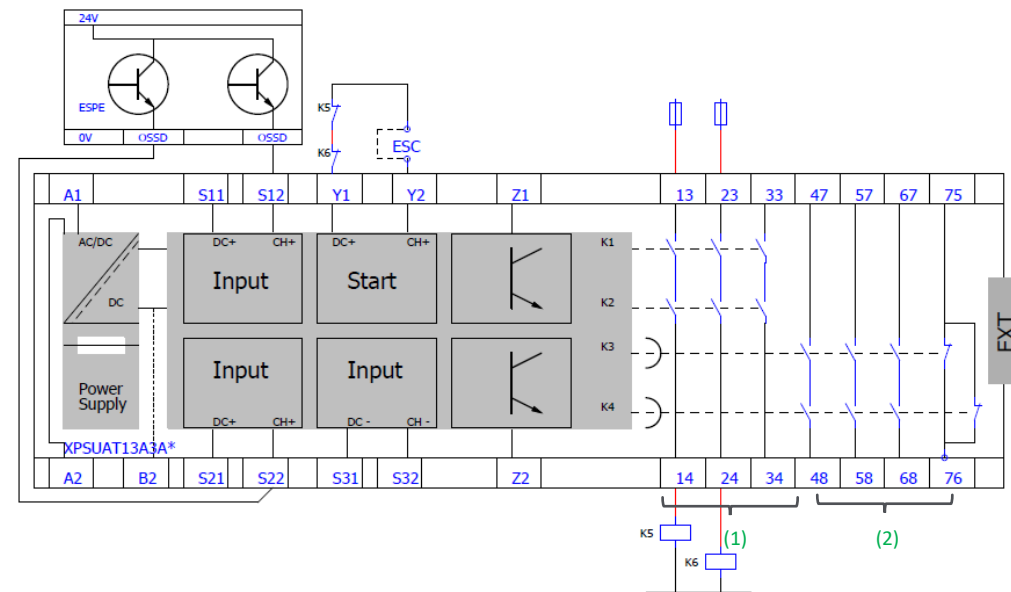
XPSUAT



ESPE, bi-canal sans détection de courts-circuits transversaux  
 ESPE, two-channel without crossover detection  
 BWS, zweikanalig ohne Querschlusserkennung



Réinitialisation, automatique avec boucle de retour  
 Reset, automatic with feedback circuit  
 Reset, automatisch mit Rückführkreis

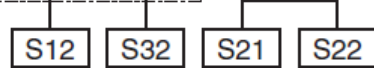
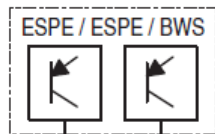


- Y1**- Control output (DC+) of start input
- Y2**- Input channel (CH+) of start input
- Z1**- Pulsed output for diagnostics (see User Guide page 85), not safety- related
- B2**- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
- EXT**- Side connector for output extension module XPSUEP
- (1) Immediate opening safety outputs (stop category 0).
- (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).

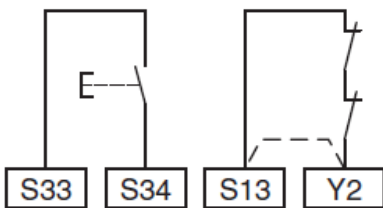
**Safety FUNCTION** position 9.  
**START** configuration position 1.  
 For more details, please refer to your user guide page 71  
**Note:** With appropriated input and output devices, XPSUAT can reach up to PLe, Cat.4, SILCL3

Wiring **Safety Light Curtain** diagram XPSATR & XPSUAT

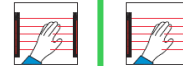
XPSATR



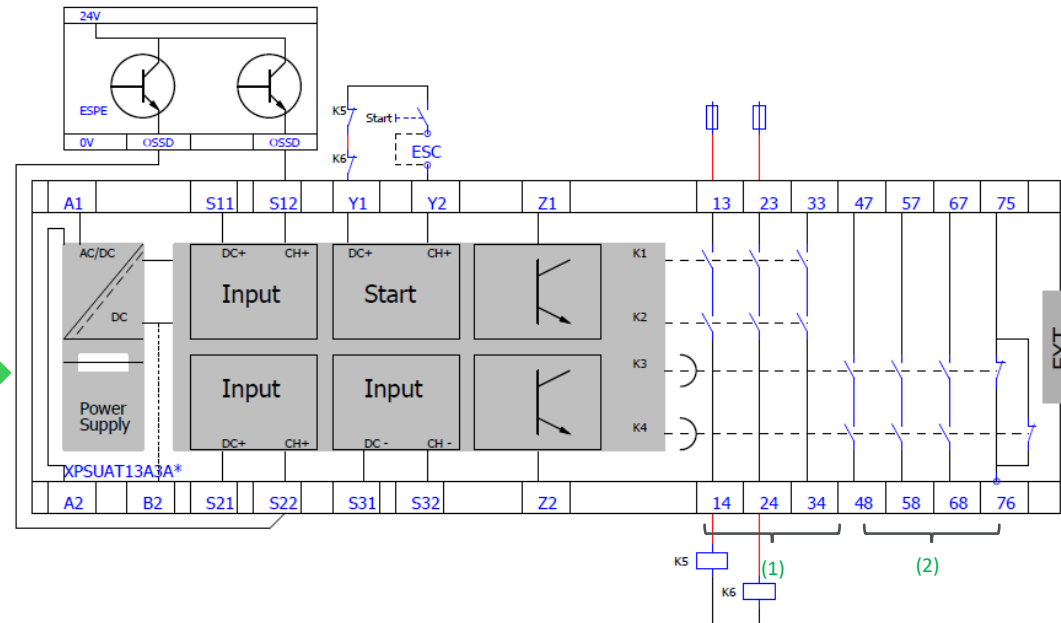
ESPE, bi-canal sans détection de courts-circuits transversaux  
 ESPE, two-channel without crossover detection  
 BWS, zweikanalig ohne Querschlusserkennung



Réinitialisation, contrôle manuel avec boucle de retour  
 Reset, manually monitored with feedback circuit  
 Reset, manuell überwacht mit Rückführkreis



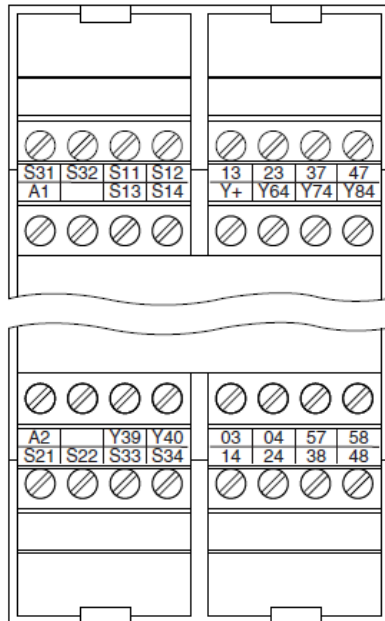
XPSUAT



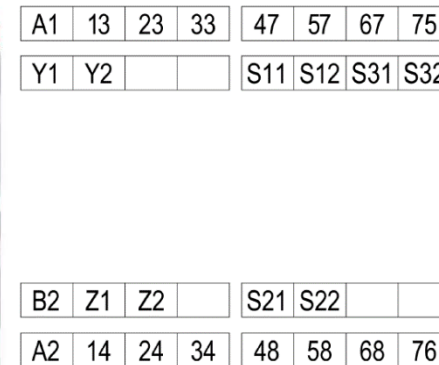
- Y1**- Control output (DC+) of start input
  - Y2**- Input channel (CH+) of start input
  - Z1**- Pulsed output for diagnostics (see User Guide page 85), not safety- related
  - B2**- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.
  - EXT**- Side connector for output extension module XPSUEP
  - (1) Immediate opening safety outputs (stop category 0).
  - (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).
- Safety FUNCTION** position 9.  
**START** configuration position 3.  
 For more 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

## XPSAV is replaced by XPSUAT

XPSAV



XPSUAT

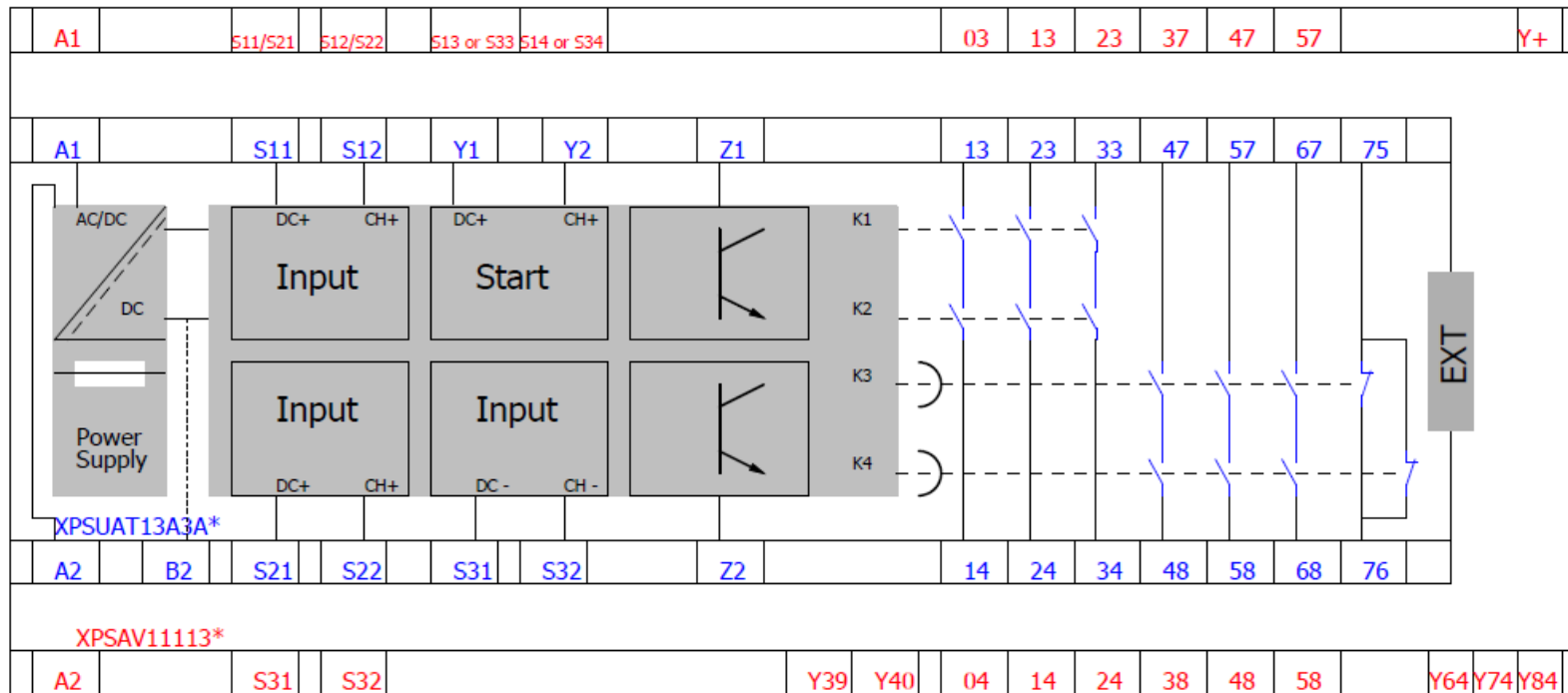


Commercial Reference	Commercial Reference
XPSAV11113	XPSUAT13A3AP
XPSAV11113P	XPSUAT13A3AP
XPSAV11113T050	XPSUAT13A3AP
XPSAV11113Z002	XPSUAT13A3AP

# XPSAV is replaced by XPSUAT

XPSAV

XPSUAT

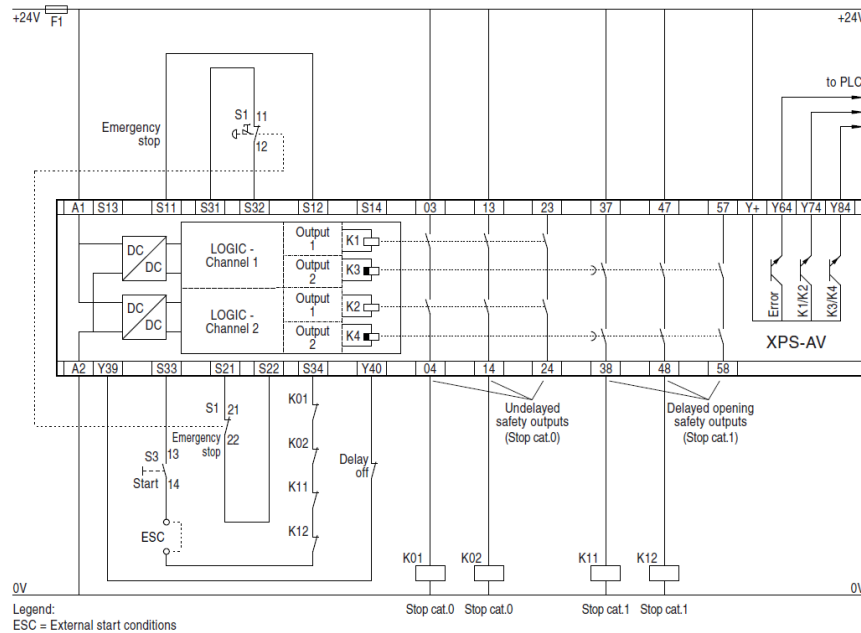


# Wiring Emergency Stop diagram XPSAV & XPSUAT

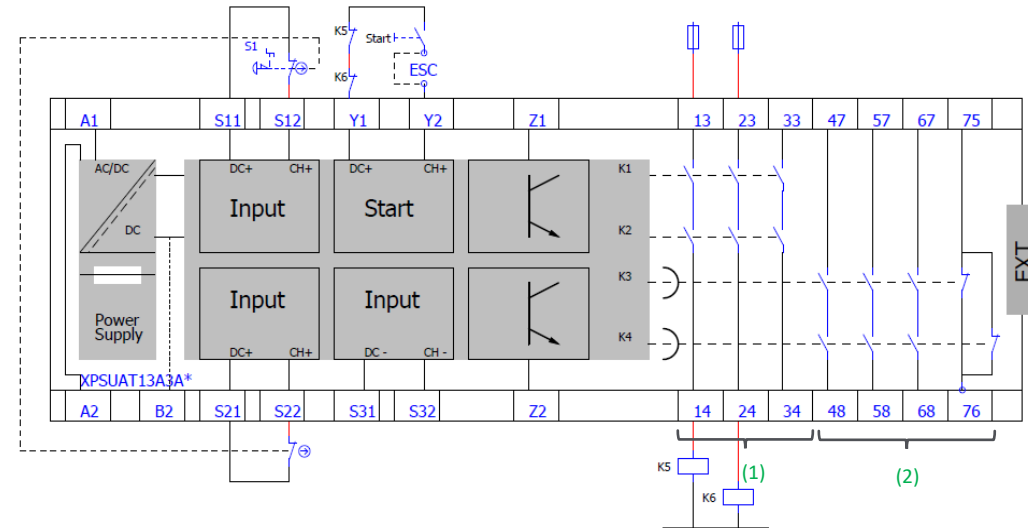
## XPSAV



Wiring diagram – Emergency stop, two channel connection / Start button monitored



## 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
- (1) Immediate opening safety outputs (stop category 0).
- (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).

**Safety FUNCTION** positions 1.  
**START** configuration position 3  
 For more 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

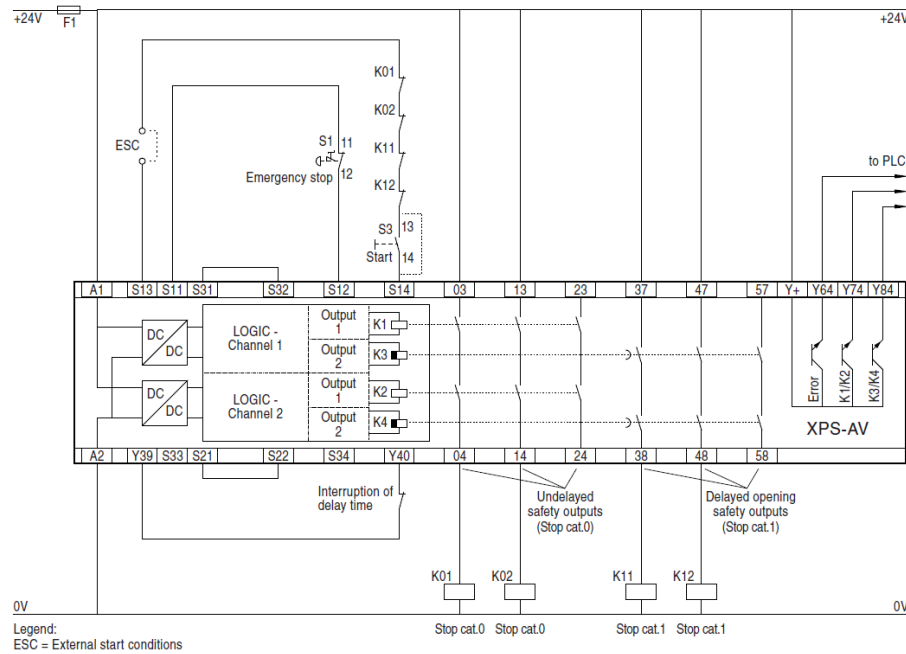


# Wiring Emergency Stop single channel diagram XPSAV & XPSUAT

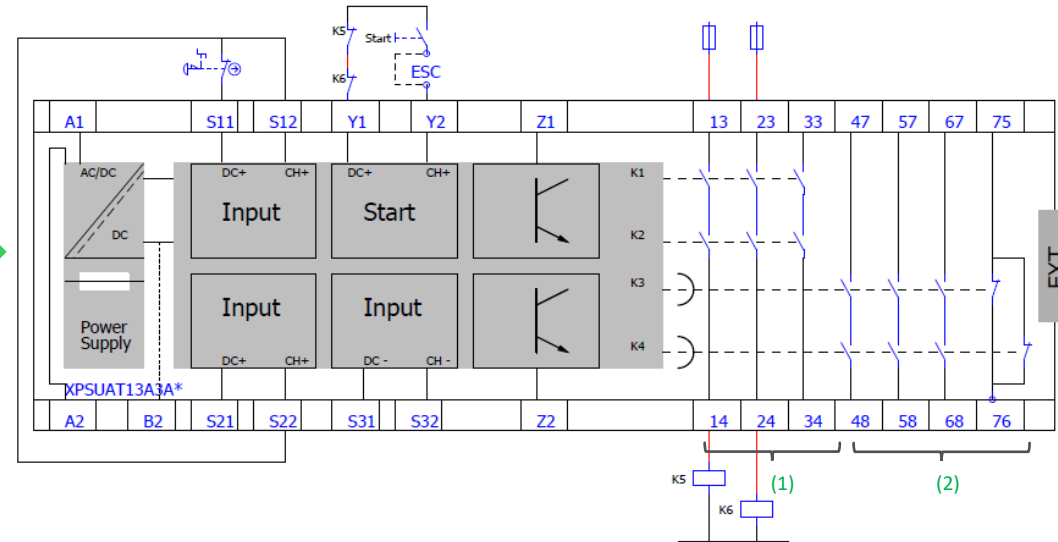
## XPSAV



Wiring diagram – Emergency stop, one channel connection / Automatic start



## 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
- (1) Immediate opening safety outputs (stop category 0).
- (2) Immediate or Time delay opening safety outputs (stop category 0 or 1).

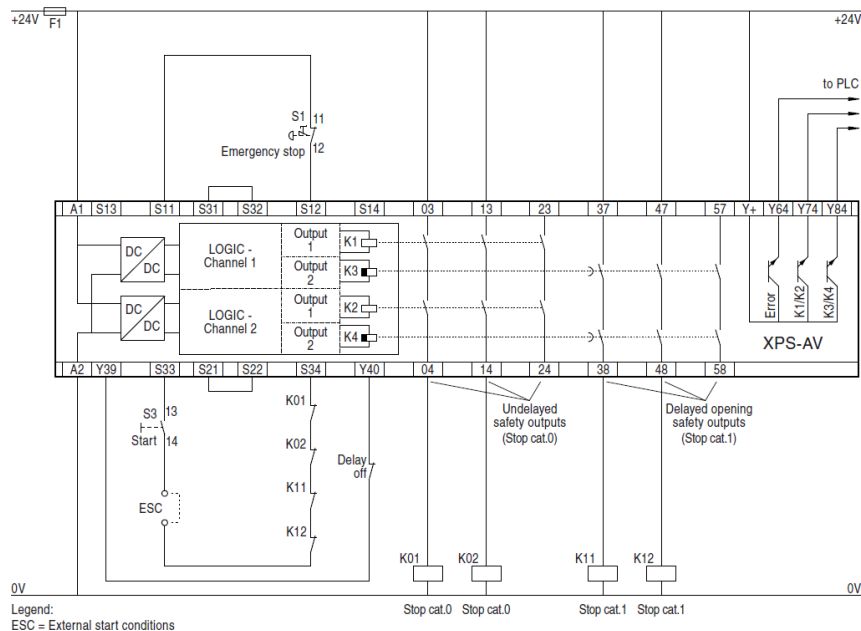
**Safety FUNCTION** position 4.  
**START** configuration position 1.  
 For more details, please refer to your user guide page 71  
**Note:** With appropriated input and output devices, XPSUAT can reach up to Cat.1, SILCL1

# Wiring Emergency Stop single channel diagram XPSAV & XPSUAT

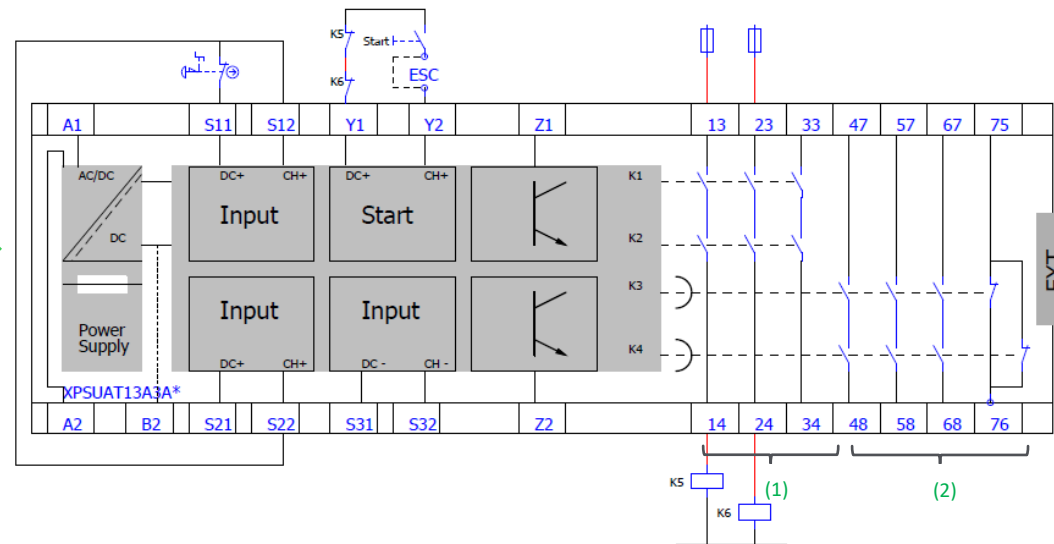
## XPSAV



Wiring diagram – Emergency stop, one channel connection / Start button monitored



## 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
- (1)* Immediate opening safety outputs (stop category 0).
- (2)* Immediate or Time delay opening safety outputs (stop category 0 or 1).

**Safety FUNCTION** position 4.  
**START configuration** position 3.  
 For more details, please refer to your user guide page 71  
**Note:** With appropriated input and output devices, XPSUAT can reach up to Cat.1, SILCL1

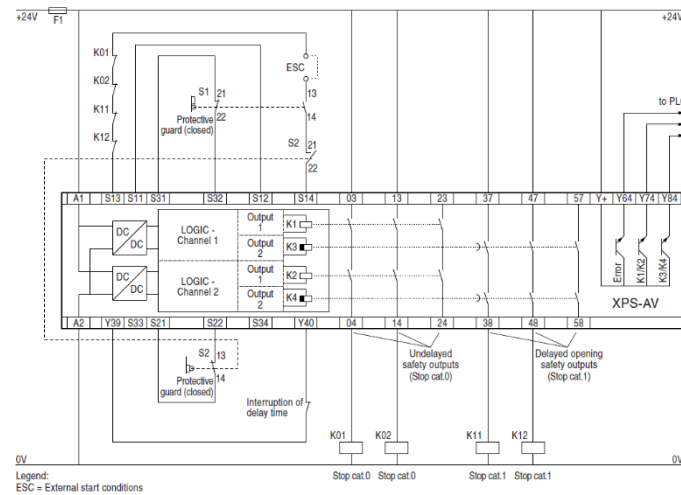
# Wiring Safety Switch diagram XPSAV & XPSUAT

## XPSAV

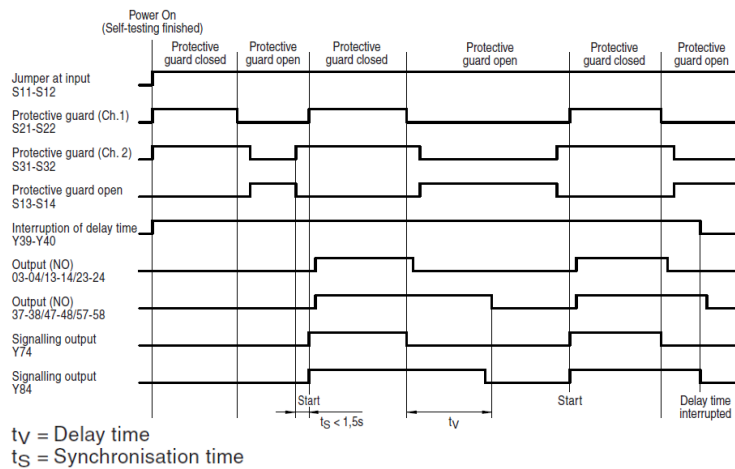
## XPSUAT



Wiring diagram – Protective guard / Automatic start



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



## Time delay for XPSUAT

(1)

(2)

	Delay Factor	1	2	3	4	5	6	7	8	9	10
Delay Base		Corresponding time evaluated [s]									
1	Combination of Delay Factor & Delay Base	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
2		0	1	2	3	4	5	6	7	8	9
3		0	10	20	30	40	50	60	70	80	90
4		0	100	200	300	400	500	600	700	800	900

**Note:** The use of the Delay Base selector in 5, 6, 7 or 8 is restricted of the use with the extension module XPSUEP (for more information, please refer to the User Guide).

 **CAUTION**

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