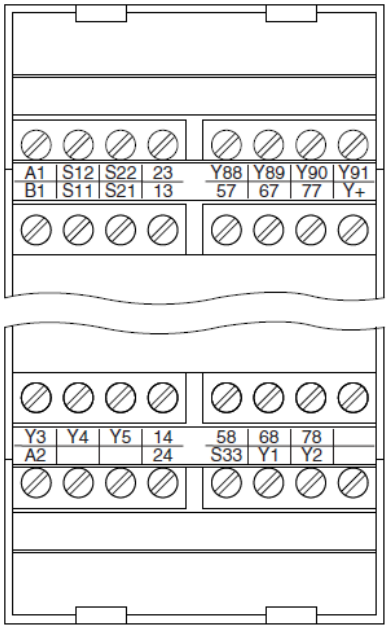
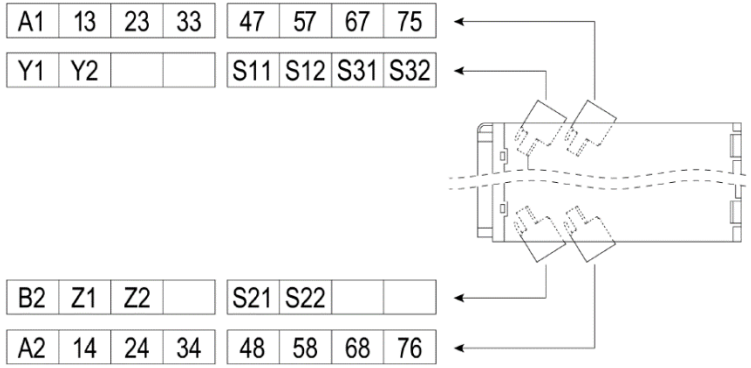
XPSATE is replaced by XPSUAT – 24VDC

XPSATE



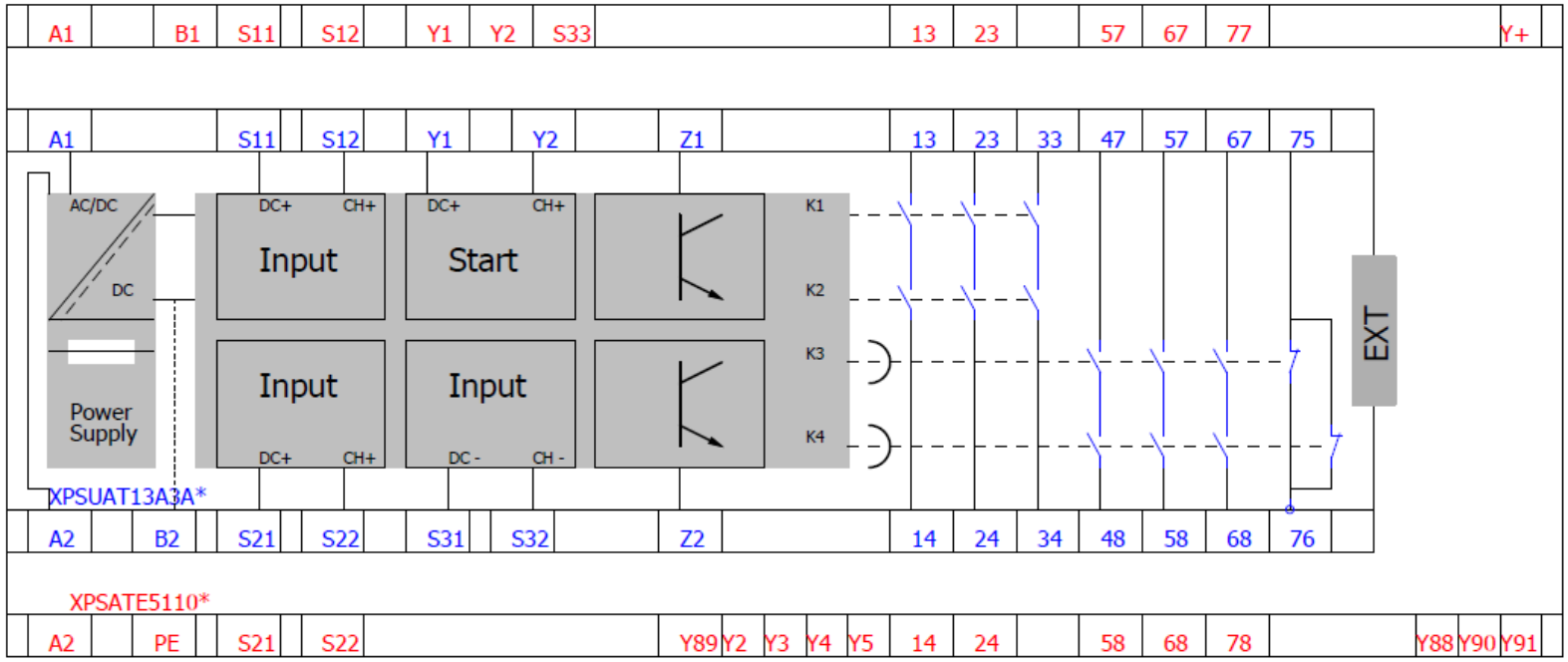
XPSUAT



Commercial Reference	Commercial Reference
XPSATE5110	XPSUAT13A3AP
XPSATE5110P	XPSUAT13A3AP

XPSATE is replaced by XPSUAT – 24VDC

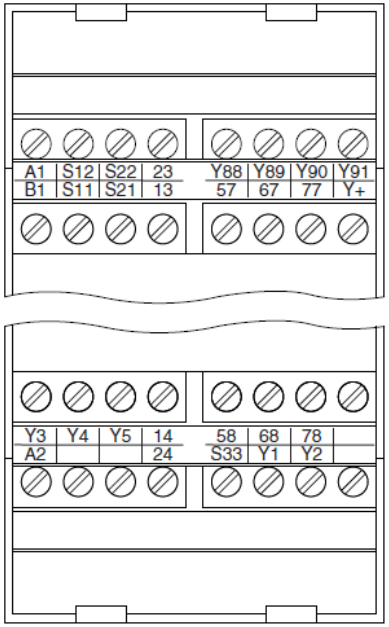
XPSATE



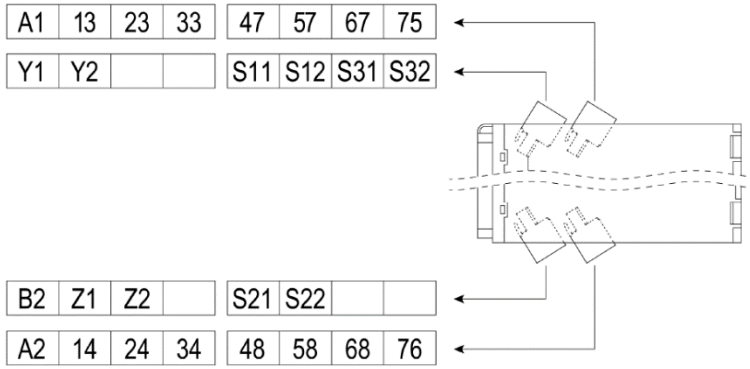
XPSUAT

XPSATE is replaced by XPSUAT – 115V and 230V

XPSATE



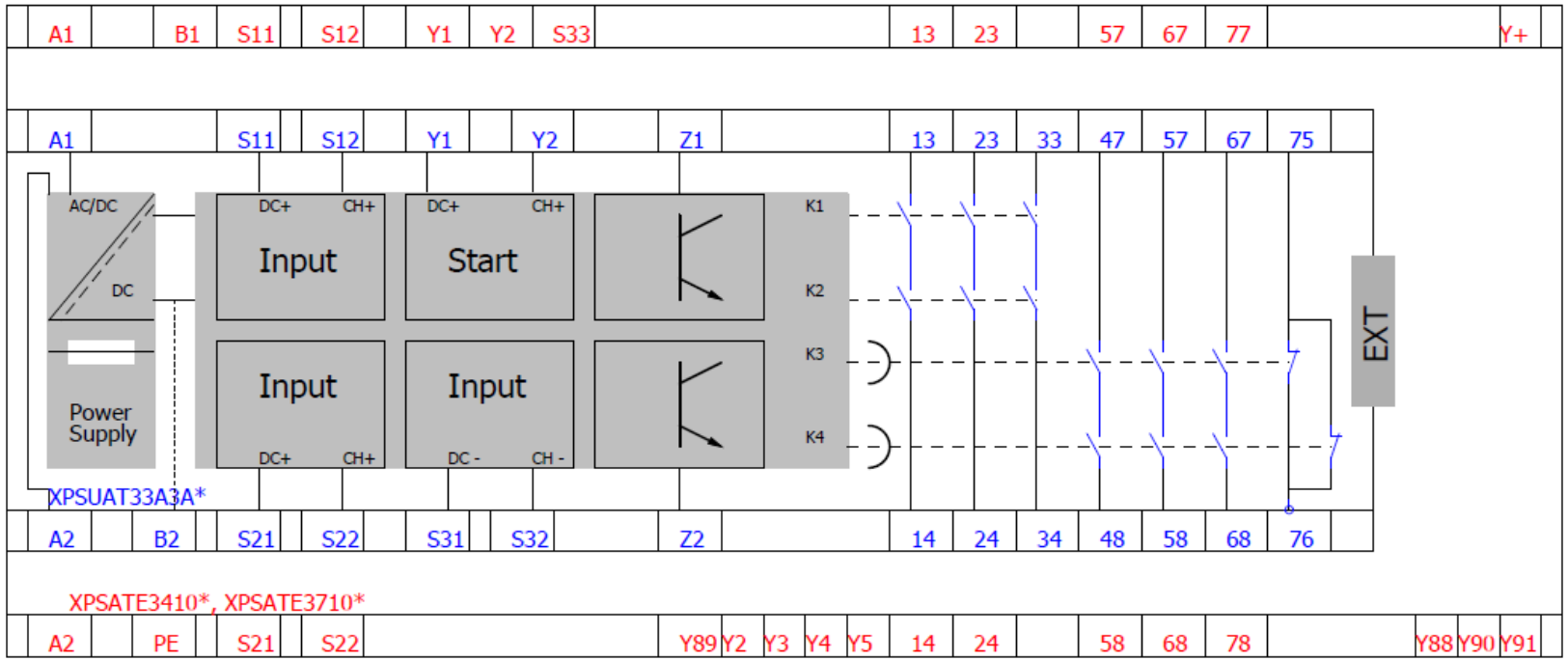
XPSUAT



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

XPSATE is replaced by XPSUAT – 115V and 230V

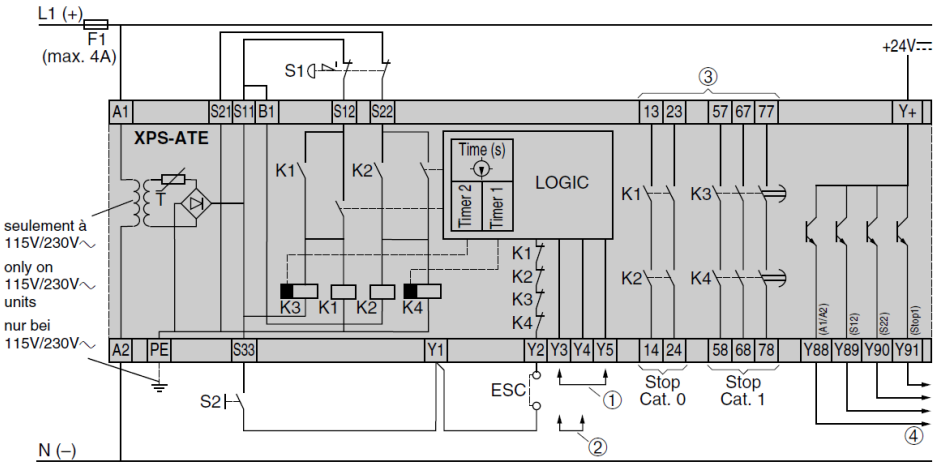
XPSATE



XPSUAT

Wiring Emergency Stop diagram XPSATE & XPSUAT

XPSATE



①

Avec surveillance du bouton de démarrage (Ètat de livraison, application conseillèe)

With monitoring of the start button, switching on the trailing edge (Delivered condition, recommended application)

Mit Starttasterüberwachung (Lieferzustand, empfohlene Verwendung)

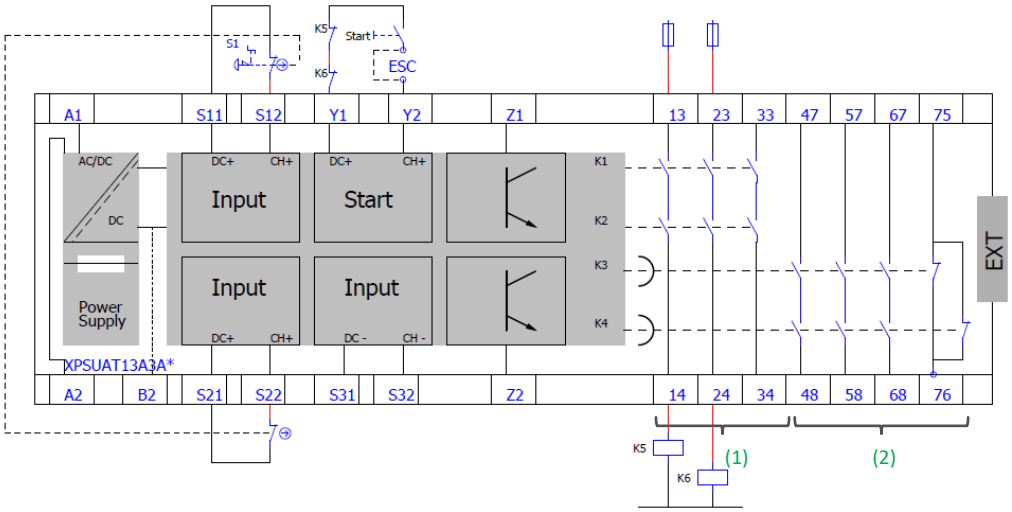
②

Sans surveillance du bouton de démarrage

Without monitoring of the start button, switching on the leading edge

Ohne Starttasterüberwachung

XPSUAT

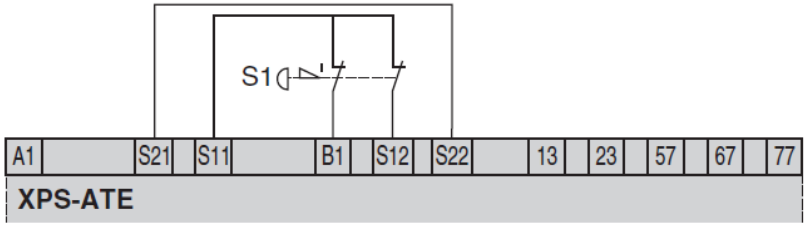


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

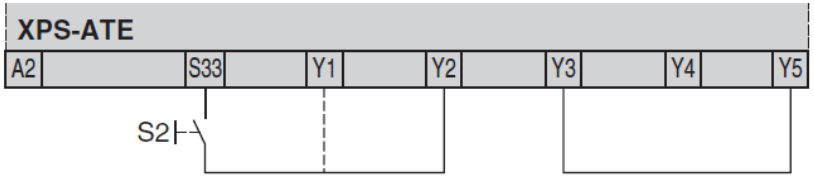
Safety **FUNCTION** position 1.
START configuration position 3 (Y3/Y5 from the XPSATE has a bridge) OR position 1 (Y3/Y4 from XPSATE has a bridge).
For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAT can reach up to PLe, Cat.4, SILCL3

Wiring Emergency Stop diagram XPSATE & XPSUAT

XPSATE

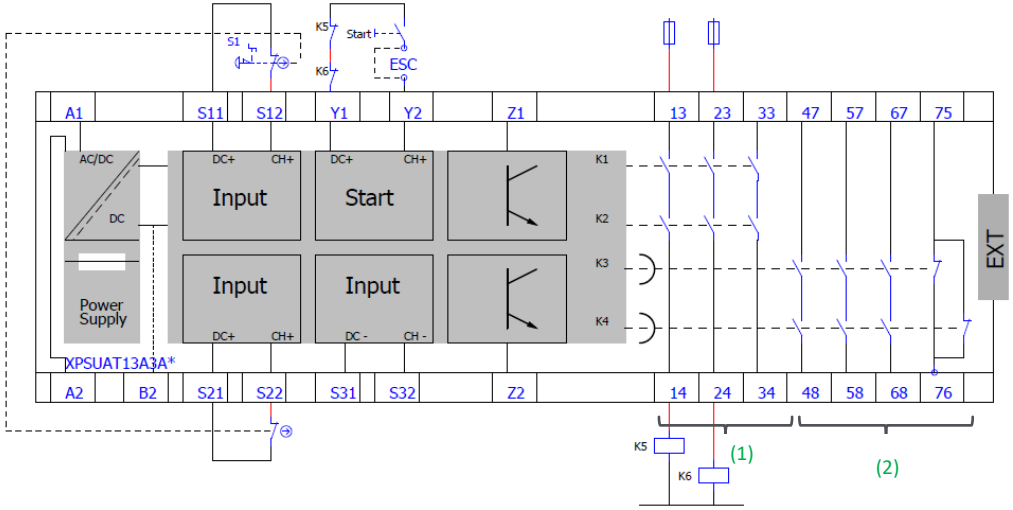


Bouton poussoir d'ARRET D'URGENCE doté de 2 contacts à ouverture
(Pas de detection d'un court-circuit entre les bornes B1-S12)
EMERGENCY STOP - push button with two NC contacts
(A short-circuit between the terminals B1-S12 is not detected)
Not-Halt - Taster mit zwei Öffnerkontakten
(ohne Querschlußüberwachung)



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

XPSUAT

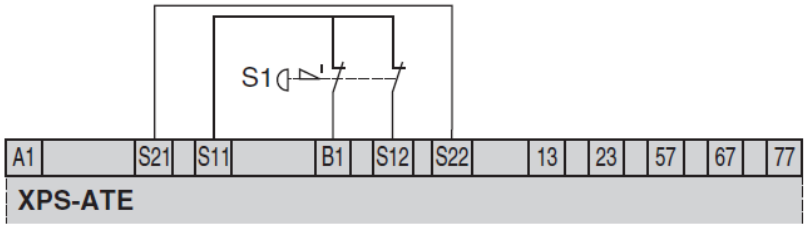


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

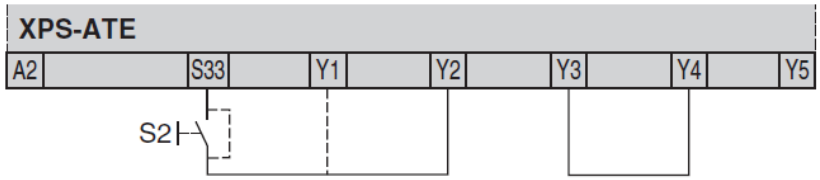
Safety **FUNCTION** position 4.
START configuration position 3 (Y3/Y5 from XPSATE has a bridge).
For more details, please refer to your user guide page 71

Wiring Emergency Stop diagram XPSATE & XPSUAT

XPSATE

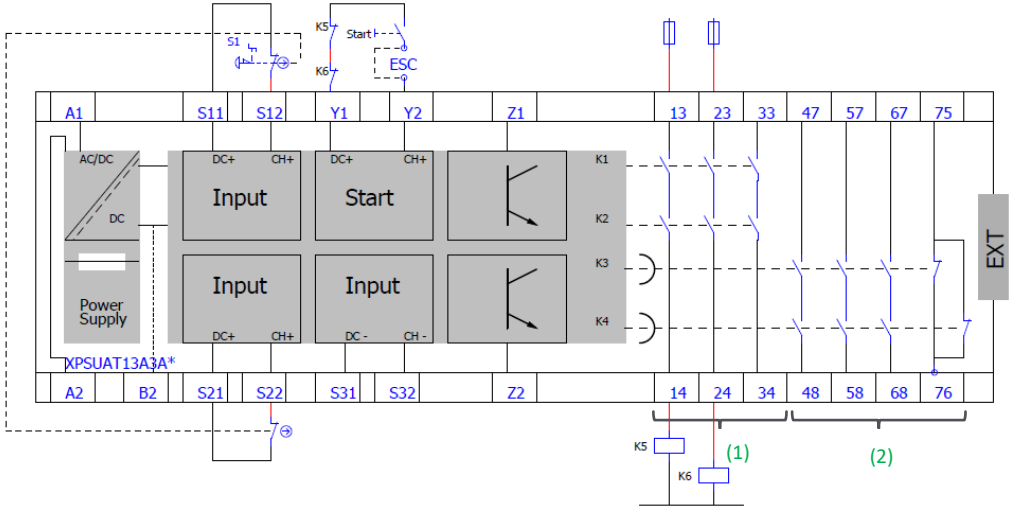


Bouton poussoir d'ARRET D'URGENCE doté de 2 contacts à ouverture
(Pas de detection d'un court-circuit entre les bornes B1-S12)
EMERGENCY STOP - push button with two NC contacts
(A short-circuit between the terminals B1-S12 is not detected)
Not-Halt - Taster mit zwei Öffnerkontakten
(ohne Querschlußüberwachung)



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

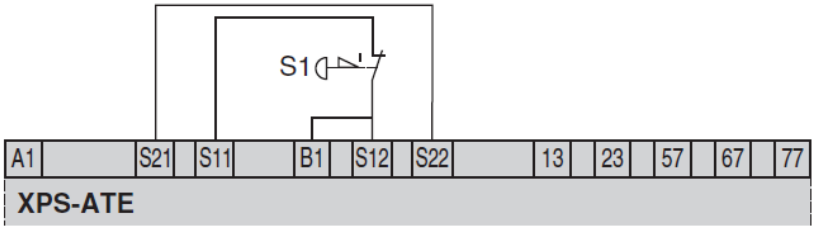


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

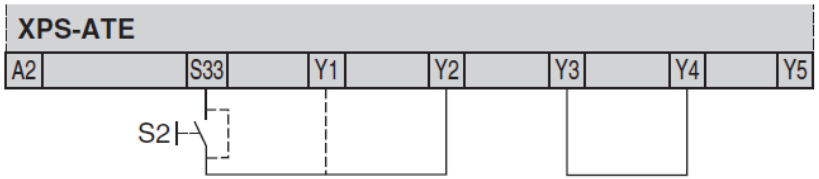
Safety **FUNCTION** position 4.
START configuration position 1 (Y3/Y4 from XPSATE has a bridge).
For more details, please refer to your user guide page 71

Wiring Emergency Stop single channel diagram XPSATE & XPSUAT

XPSATE

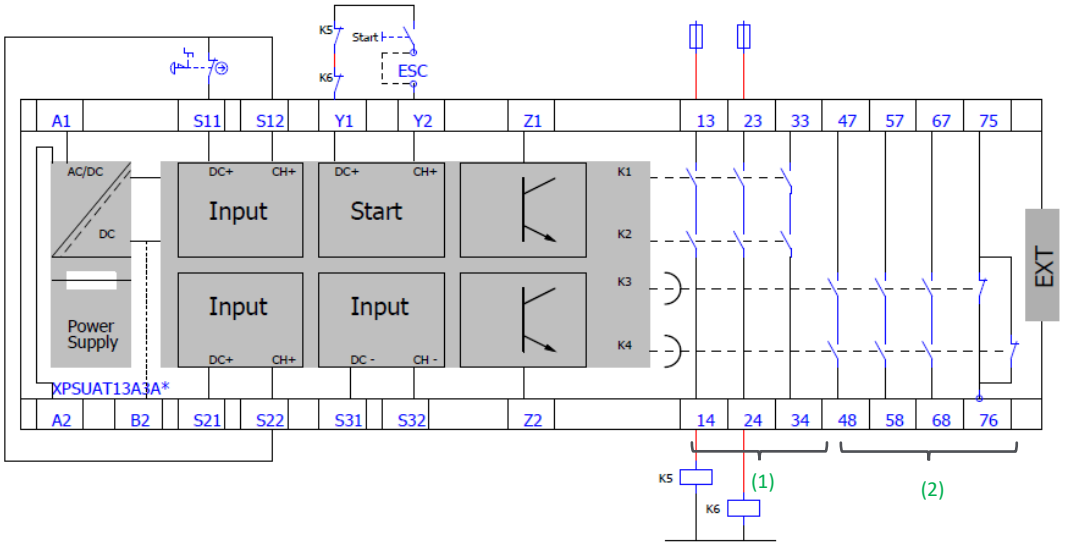


Bouton d'ARRET D'URGENCE doté d'un contact à ouverture
(Tous les défauts ne sont pas détectés:
un court-circuit sur le bouton-pussoir d'ARRET D'URGENCE n'est pas détecté)
EMERGENCY STOP - push button with one NC contact
(Not all faults are detected:
a short-circuit on the EMERGENCY STOP - button is not 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

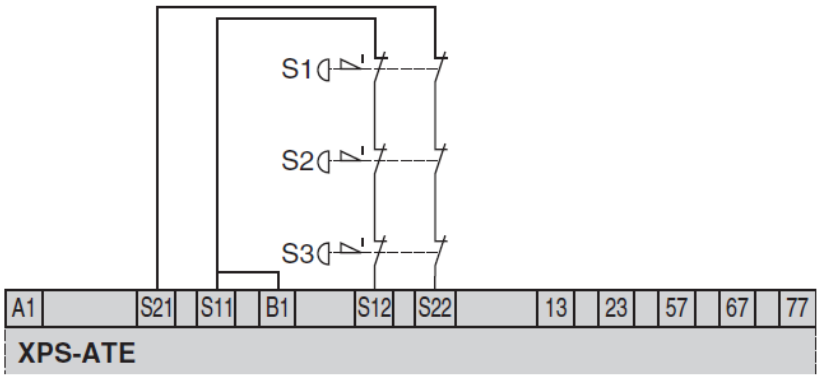


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

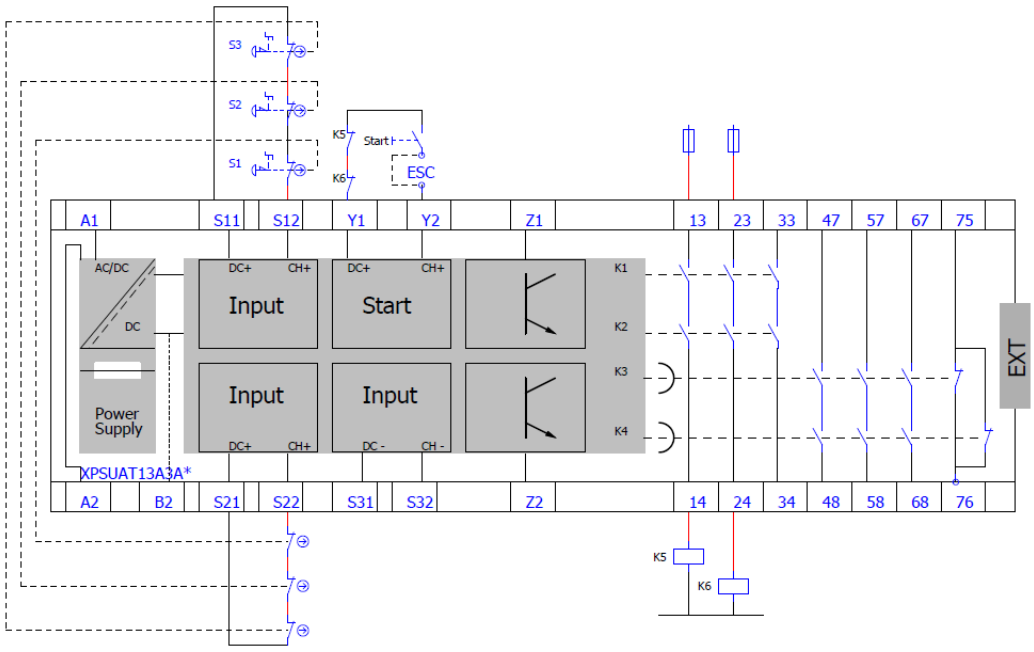
Safety **FUNCTION** position 4.
START configuration position 3 (Y3/Y5 from XPSATE has a bridge) OR position 1 (Y3/Y4 from XPSATE has a bridge).
For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAT can reach up to PLc, Cat.1, SILCL1

Wiring Emergency Stop in series* diagram XPSATE & XPSUAT

XPSATE



XPSUAT



Wiring Emergency Stop in series* diagram XPSATE & XPSUAT

XPSUAT

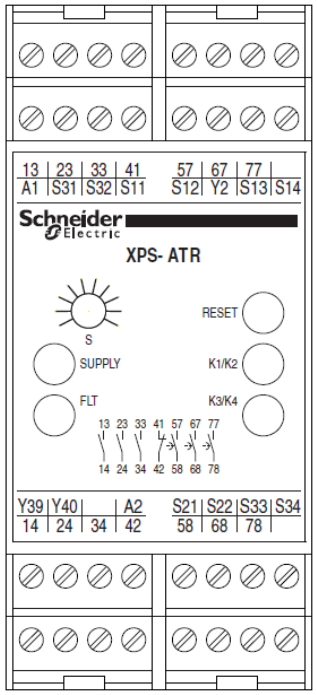
Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

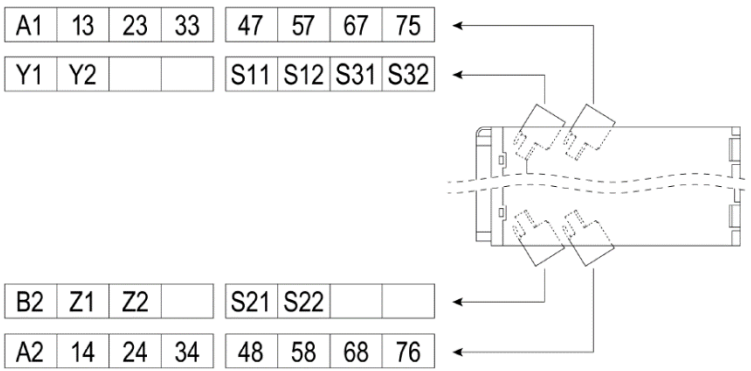
- Maximum resistance at each of the Safety-Related input (including wires/cables): 500Ω (Ohms)
- Minimum Voltage at each of the Safety-Related input: 15VDC

XPSATR is replaced by XPSUAT – 24VDC

XPSATR



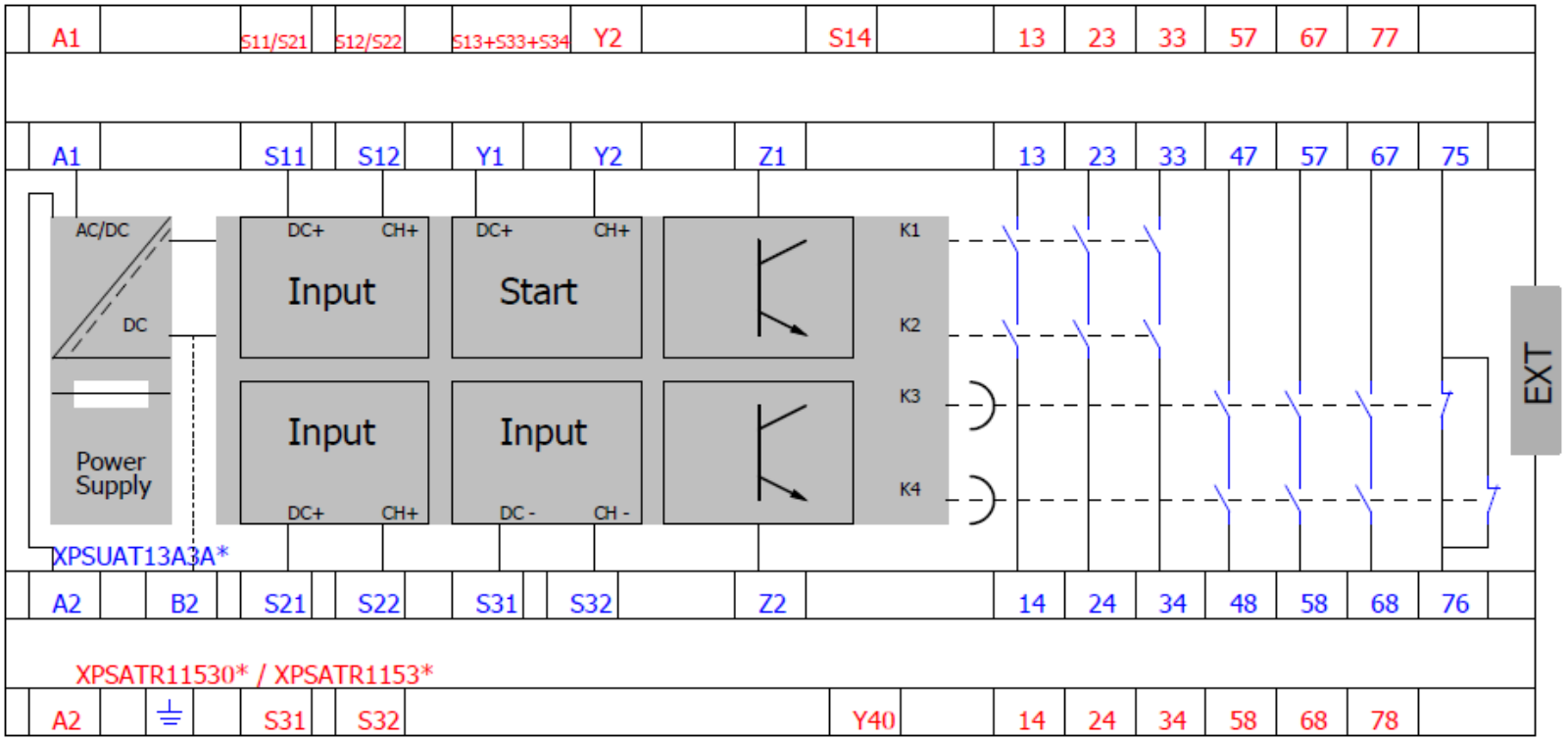
XPSUAT



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

XPSATR is replaced by XPSUAT – 24VDC

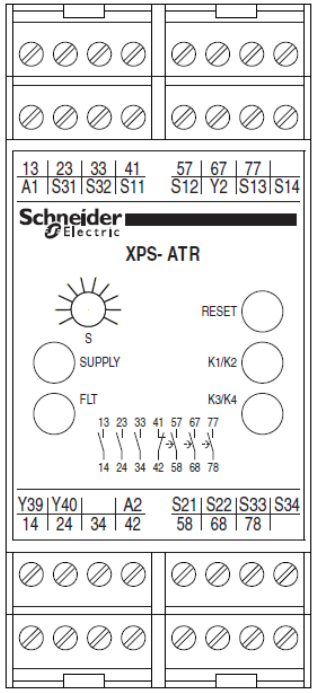
XPSATR



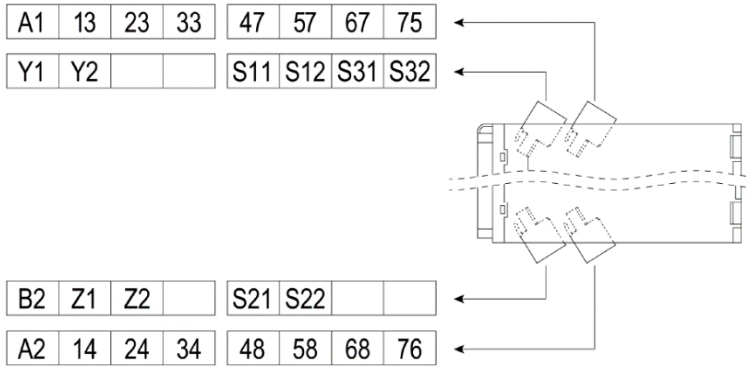
XPSUAT

XPSATR is replaced by XPSUAT – 115V and 230V

XPSATR



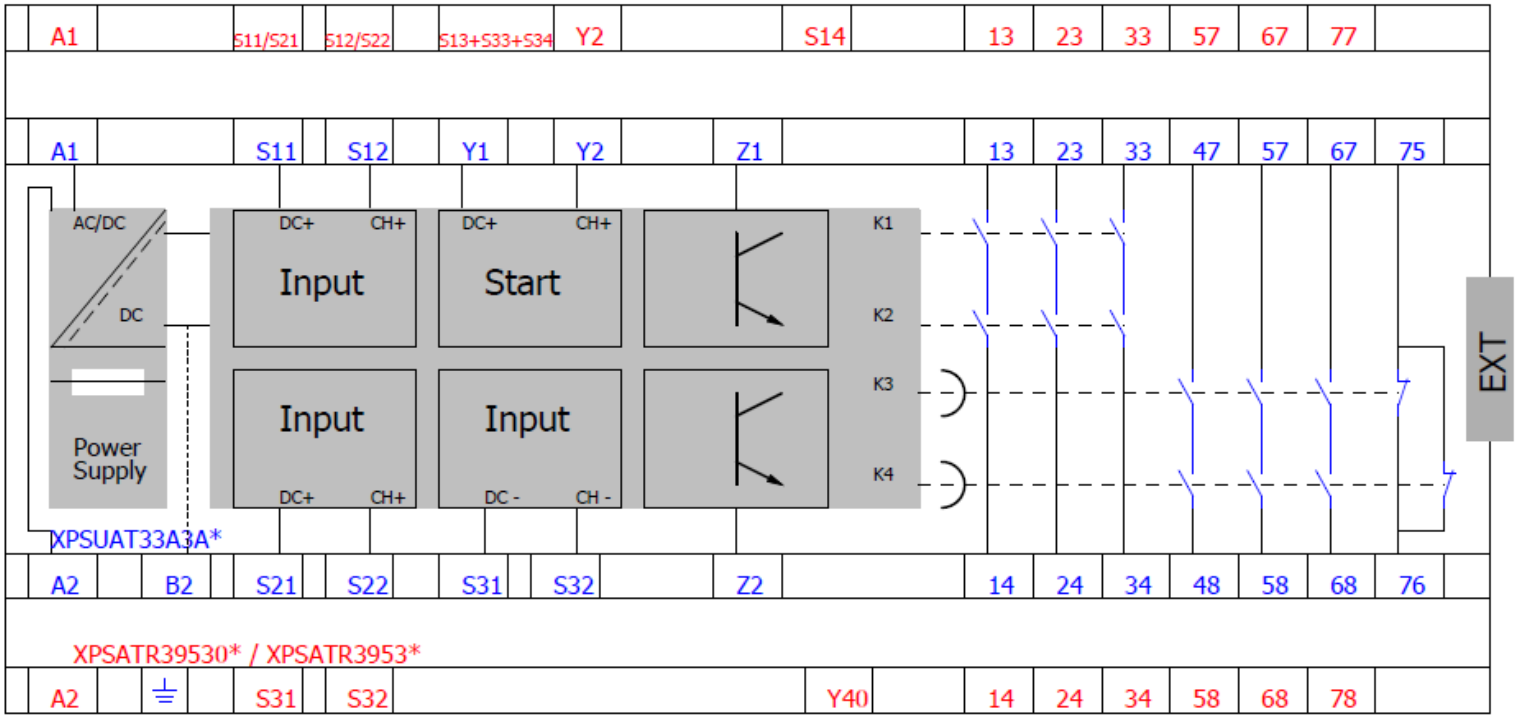
XPSUAT



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

XPSATR is replaced by XPSUAT – 115V and 230V

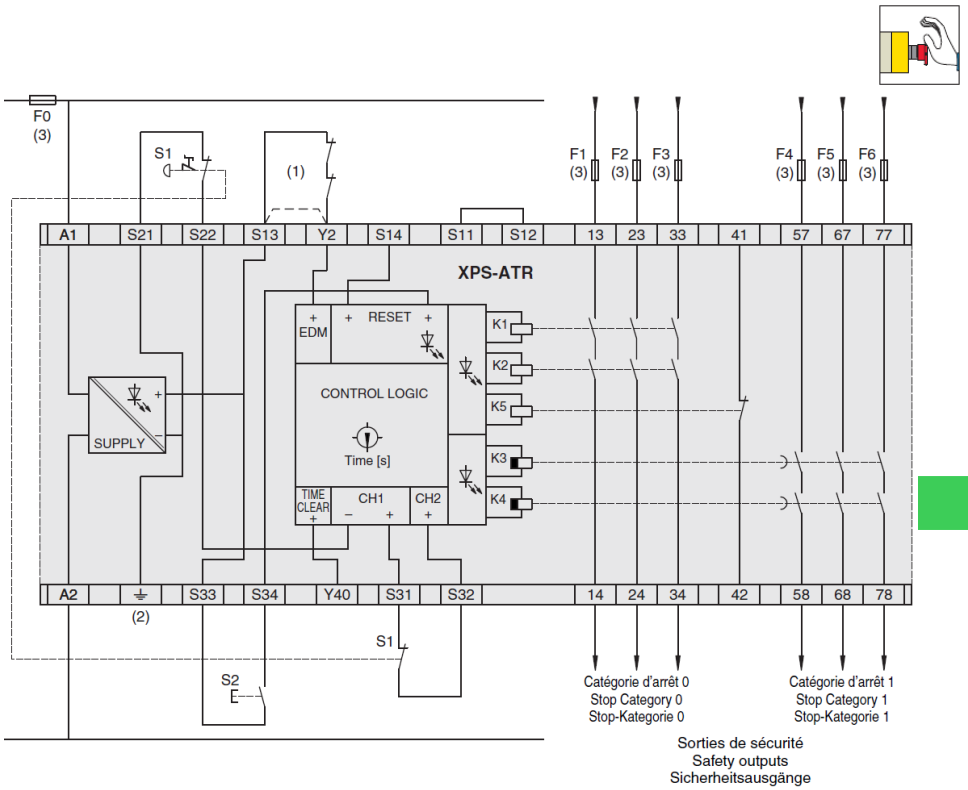
XPSATR

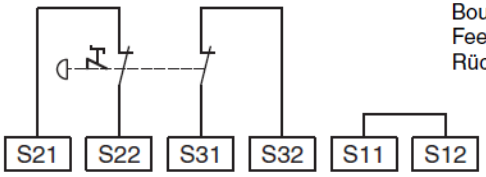


XPSUAT

Wiring Emergency Stop diagram XPSATR & XPSUAT

XPSATR



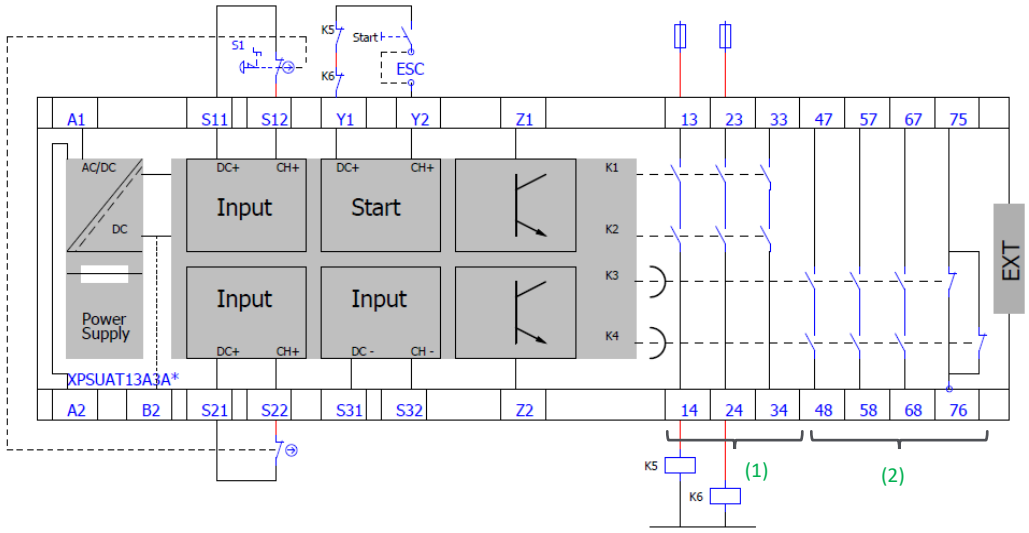


(1) = Boucle de retour / Feedback circuit / Rückführkreis

(2) = ⏚ seulement à 115-230 V ∿ / ⏚ only on 115-230 V ∿ / ⏚ nur bei 115-230 V ∿

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

XPSUAT

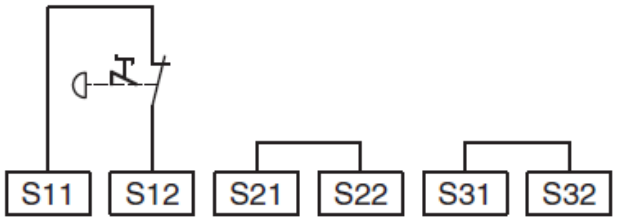


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

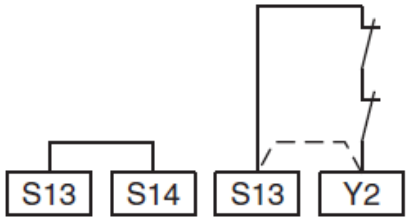
Safety **FUNCTION** position 1.
START configuration position 3.
For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAT can reach up to PLe, Cat.4, SILCL3

Wiring Emergency Stop single channel diagram XPSATR & XPSUAT

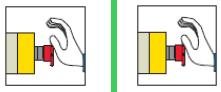
XPSATR



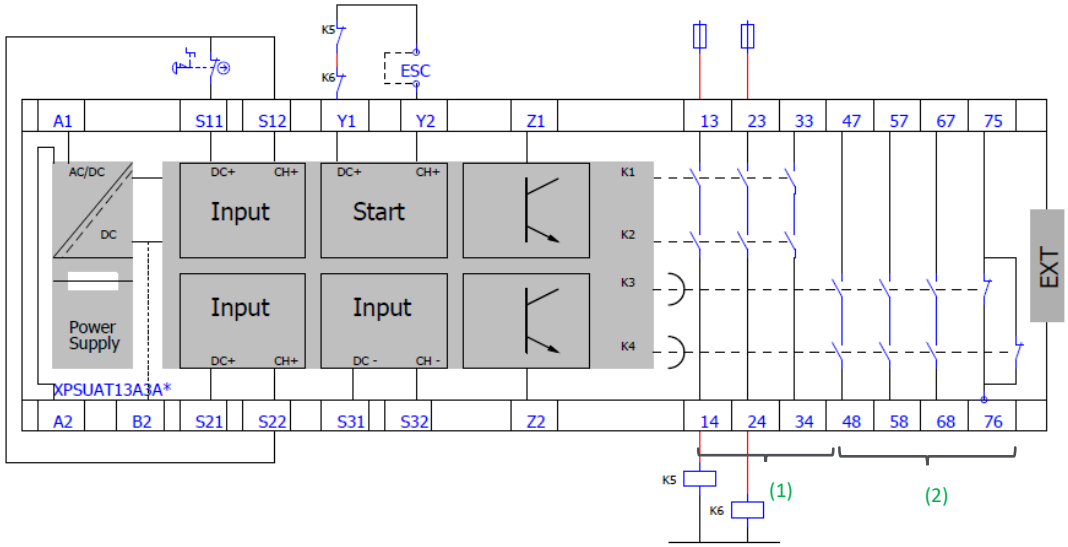
Arrêt d'urgence, monocanal
EMERGENCY STOP, single-channel
NOT-HALT, einkanalig



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



XPSUAT

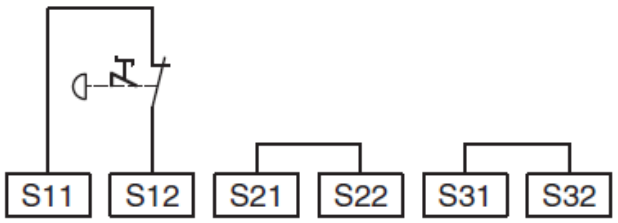


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

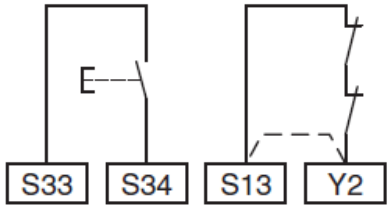
Safety **FUNCTION** position 4.
START configuration position 1.
For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAT can reach up to PLc, Cat.1, SILCL1

Wiring Emergency Stop single channel diagram XPSATR & XPSUAT

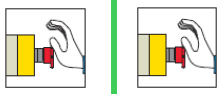
XPSATR



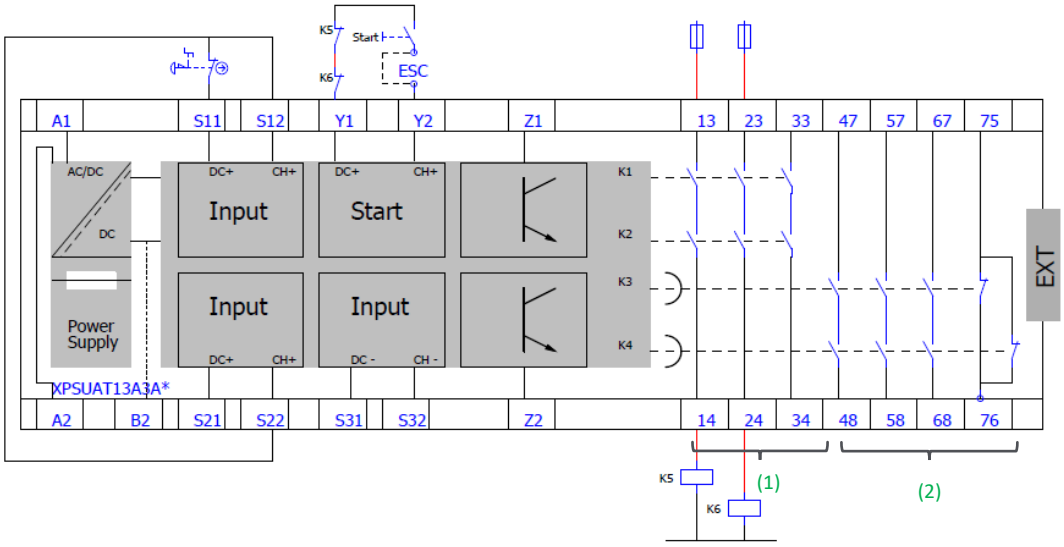
Arrêt d'urgence, monocanal
EMERGENCY STOP, single-channel
NOT-HALT, einkanalig



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



XPSUAT



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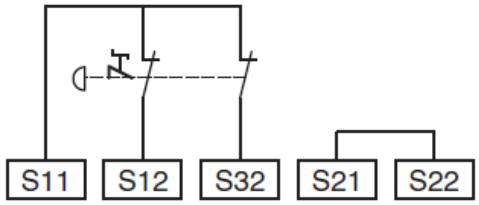
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential to be connected to this terminal.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

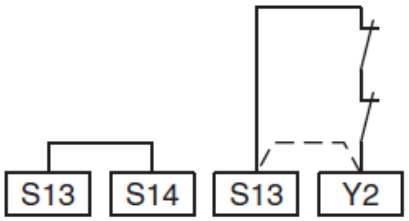
Safety **FUNCTION** position 4.
START configuration position 3.
For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAT can reach up to Cat.1, SILCL1

Wiring Emergency Stop diagram XPSATR & XPSUAT

XPSATR

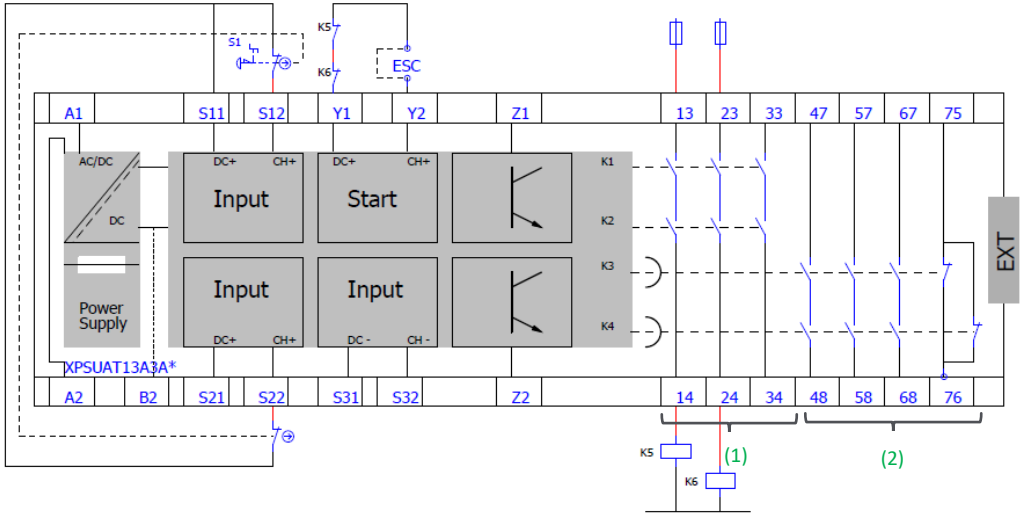


Arrêt d'urgence, bi-canal sans détection de courts-circuits transversaux
EMERGENCY STOP, two-channel without crossover detection
NOT-HALT, zweikanalig ohne Querschlusserkennung



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

XPSUAT

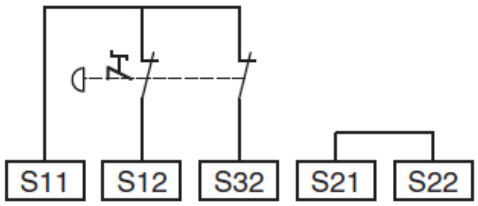


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

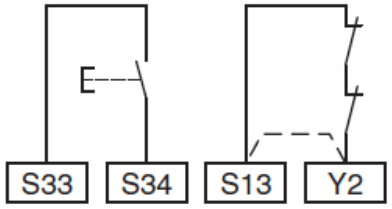
Safety **FUNCTION** position 4.
START configuration position 1.
For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAT can reach up to PLd, Cat.3, SILCL2

Wiring Emergency Stop diagram XPSATR & XPSUAT

XPSATR

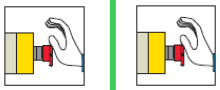


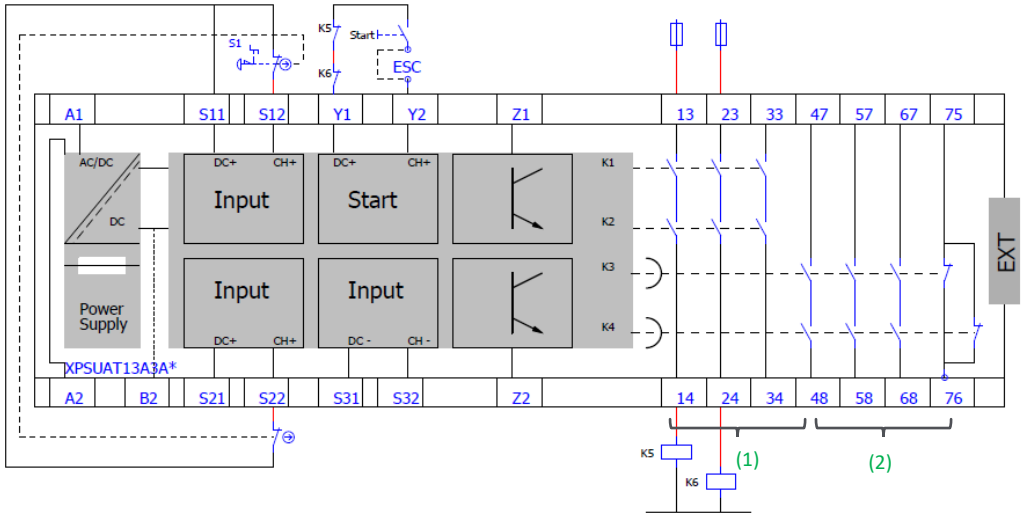
Arrêt d'urgence, bi-canal sans détection de courts-circuits transversaux
EMERGENCY STOP, two-channel without crossover detection
NOT-HALT, zweikanalig ohne Querschlusserkennung



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

XPSUAT



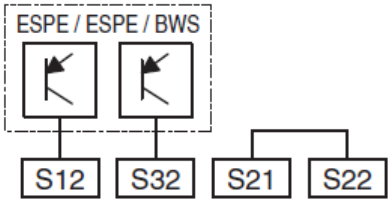


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

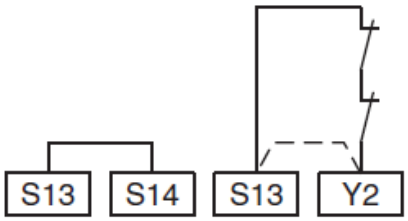
Safety **FUNCTION** position 4.
START configuration position 3.
For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAT can reach up to PLd, Cat.3, SILCL2

Wiring Safety Light Curtain diagram XPSATR & XPSUAT

XPSATR

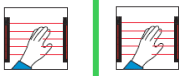


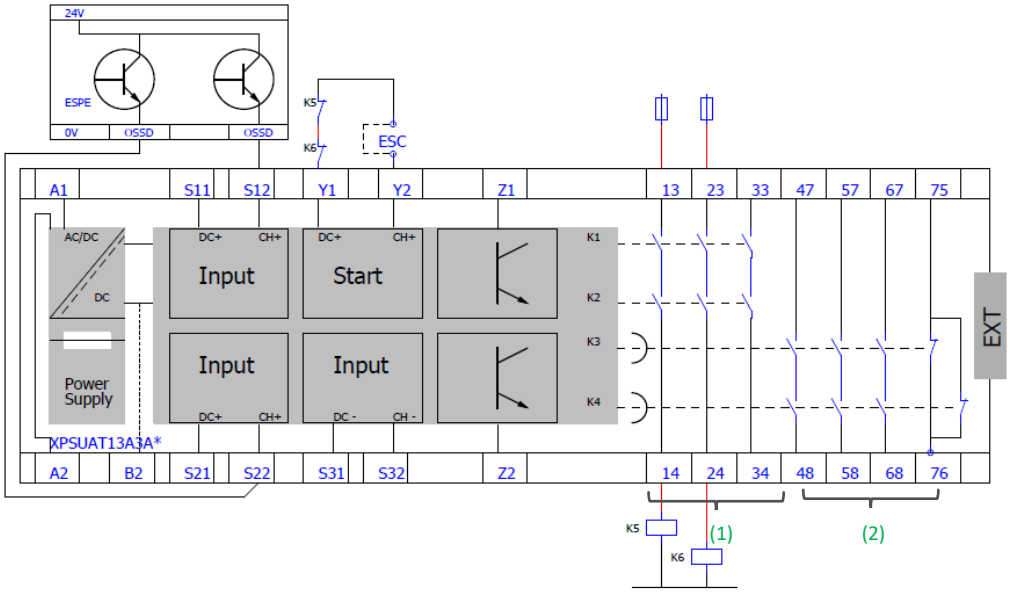
ESPE, bi-canal sans détection de courts-circuits transversaux
ESPE, two-channel without crossover detection
BWS, zweikanalig ohne Querschlusserkennung



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

XPSUAT



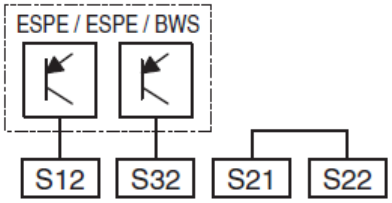


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

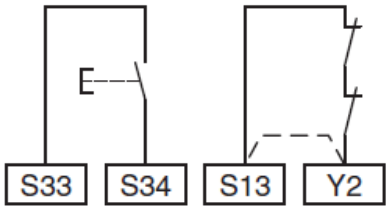
Safety **FUNCTION** position 9.
START configuration position 1.
For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAT can reach up to PLe, Cat.4, SILCL3

Wiring Safety Light Curtain diagram XPSATR & XPSUAT

XPSATR

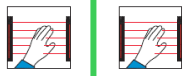


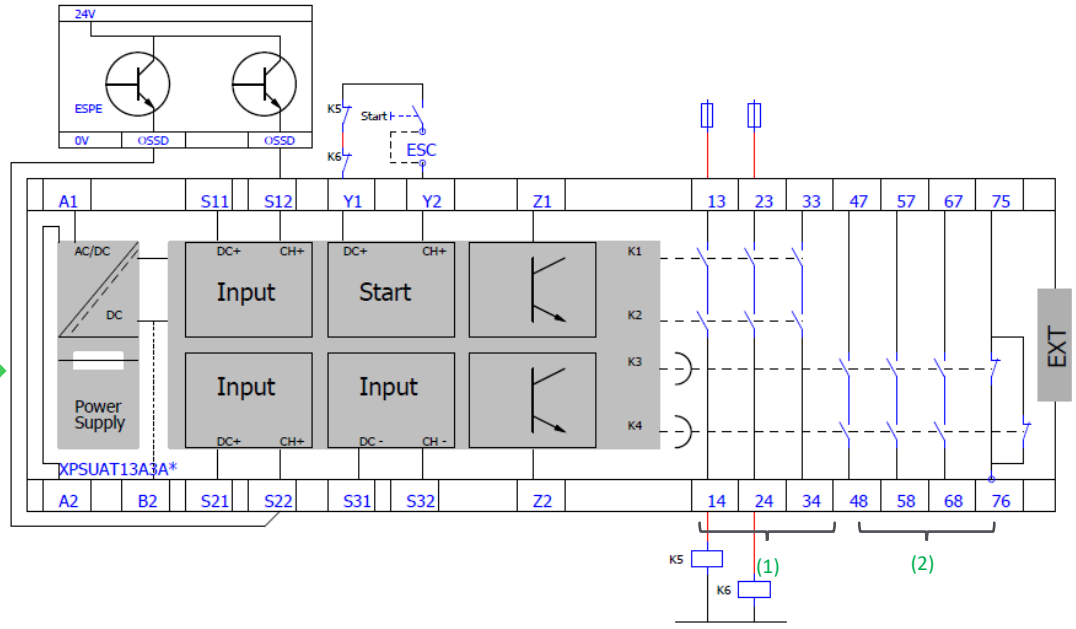
ESPE, bi-canal sans détection de courts-circuits transversaux
ESPE, two-channel without crossover detection
BWS, zweikanalig ohne Querschlusserkennung



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

XPSUAT



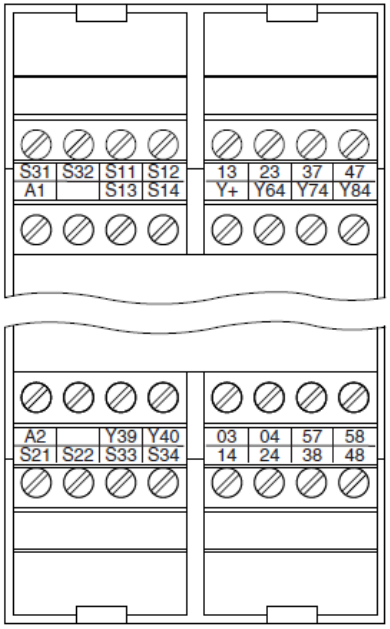


Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

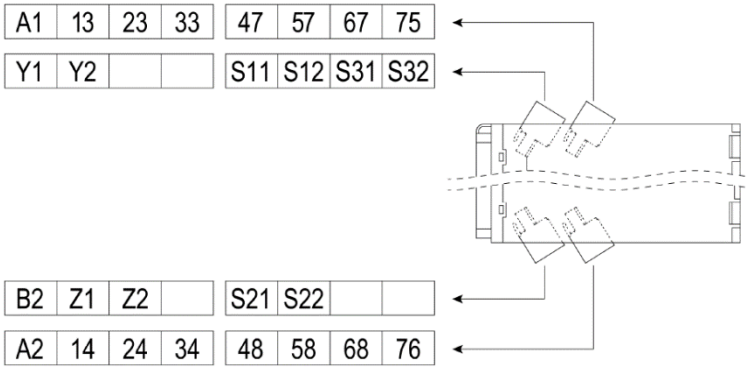
Safety **FUNCTION** position 9.
START configuration position 3.
For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAT can reach up to PLe, Cat.4, SILCL3

XPSAV is replaced by XPSUAT

XPSAV



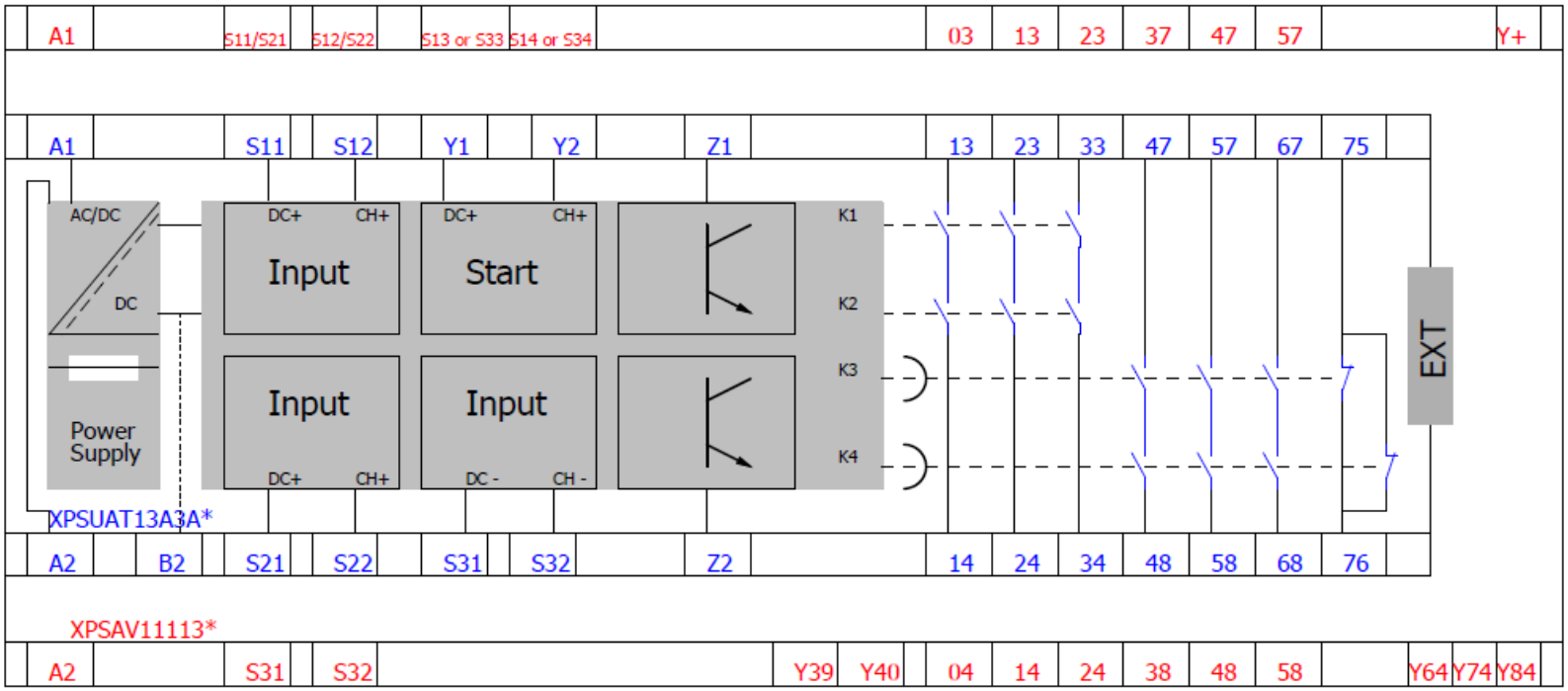
XPSUAT



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

XPSAV is replaced by XPSUAT

XPSAV

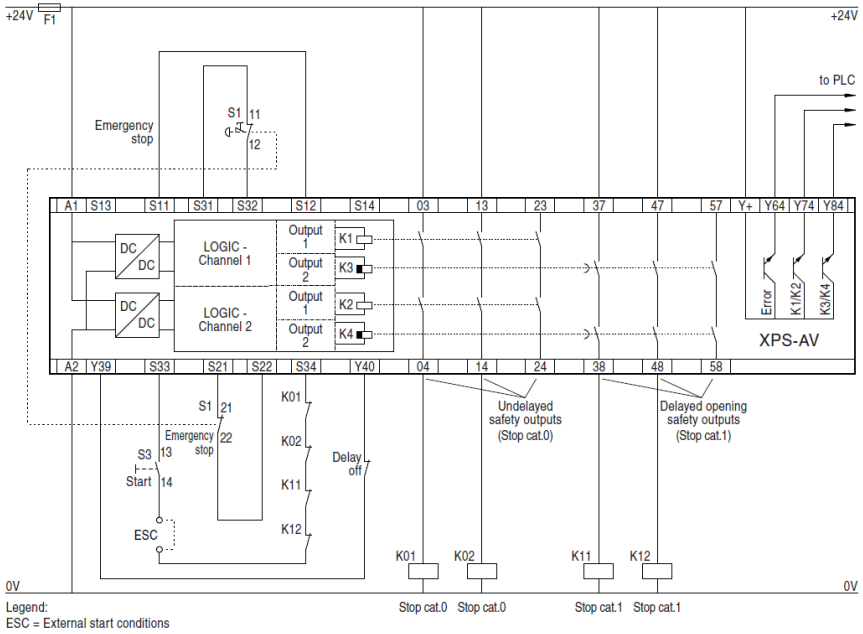


XPSUAT

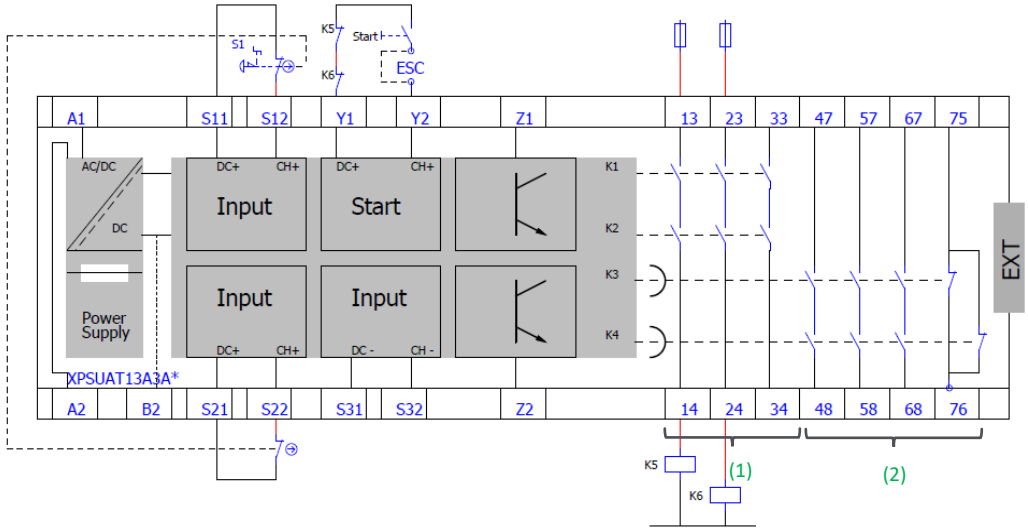
Wiring Emergency Stop diagram XPSAV & XPSUAT

XPSAV

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



XPSUAT



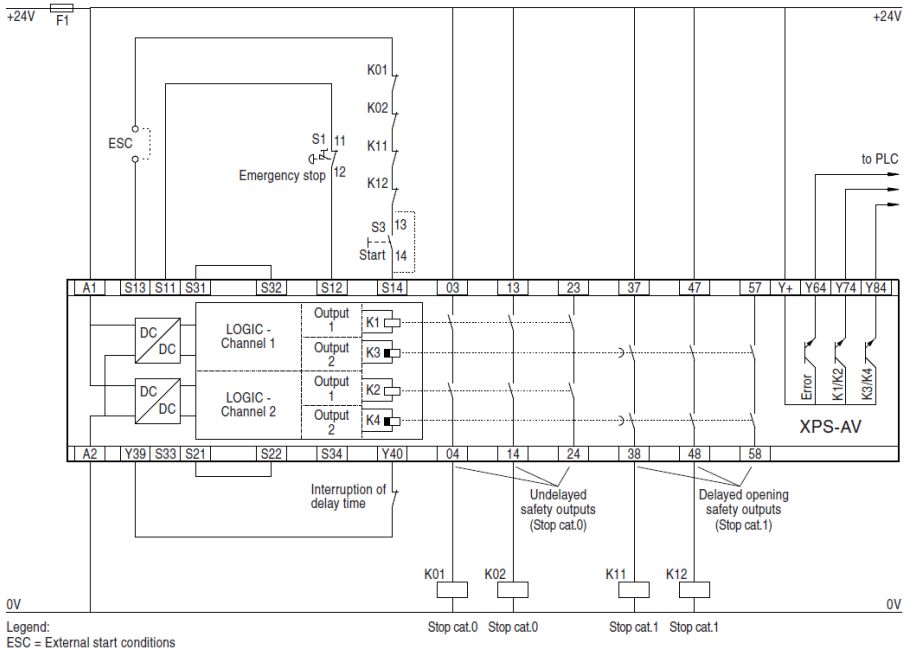
Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

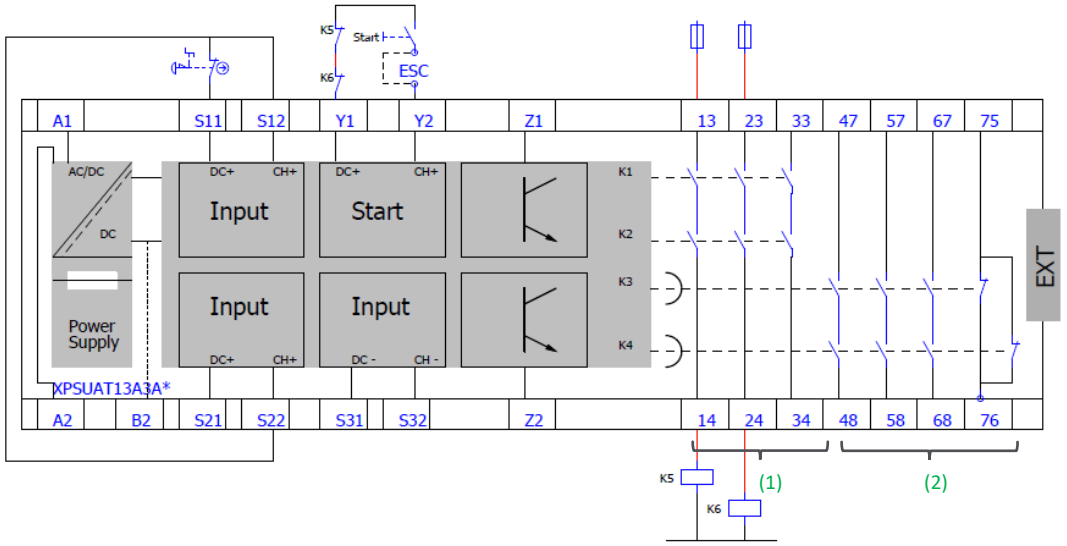
XPSAV

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



Legend:
ESC = External start conditions

XPSUAT



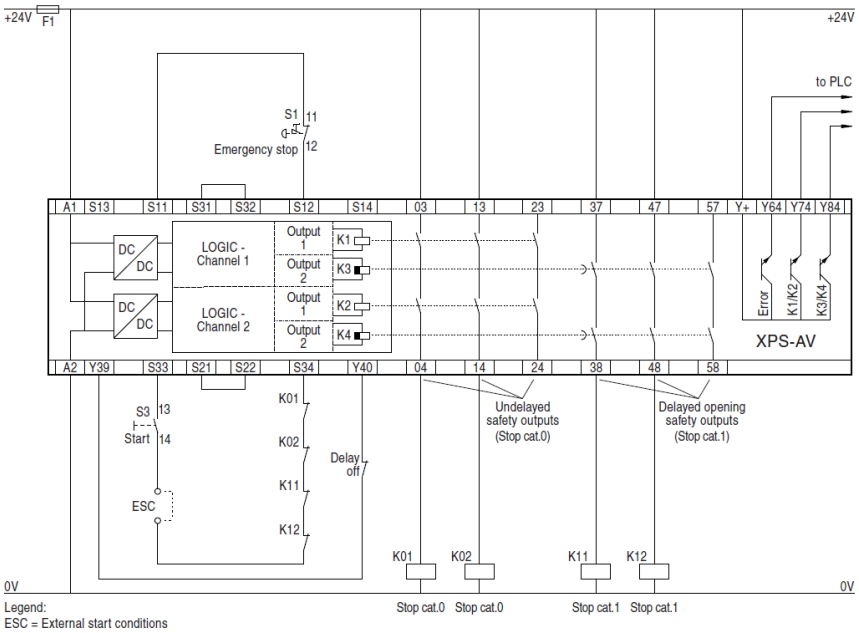
Y1- Control output (DC+) of start input
Y2- Input channel (CH+) of start input
Z1- Pulsed output for diagnostics (see User Guide page 85), not safety- related
B2- Terminal for common reference potential for 24Vdc signals. The power supplier of the connected equipment must have a common reference potential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

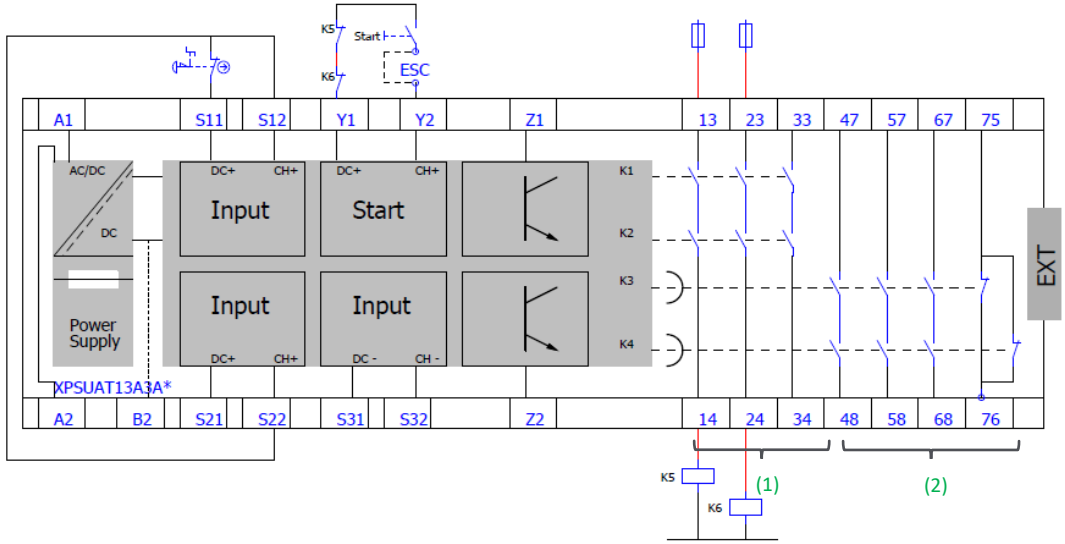
Wiring Emergency Stop single channel diagram XPSAV & XPSUAT

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.
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(1) Immediate opening safety outputs (stop category 0).
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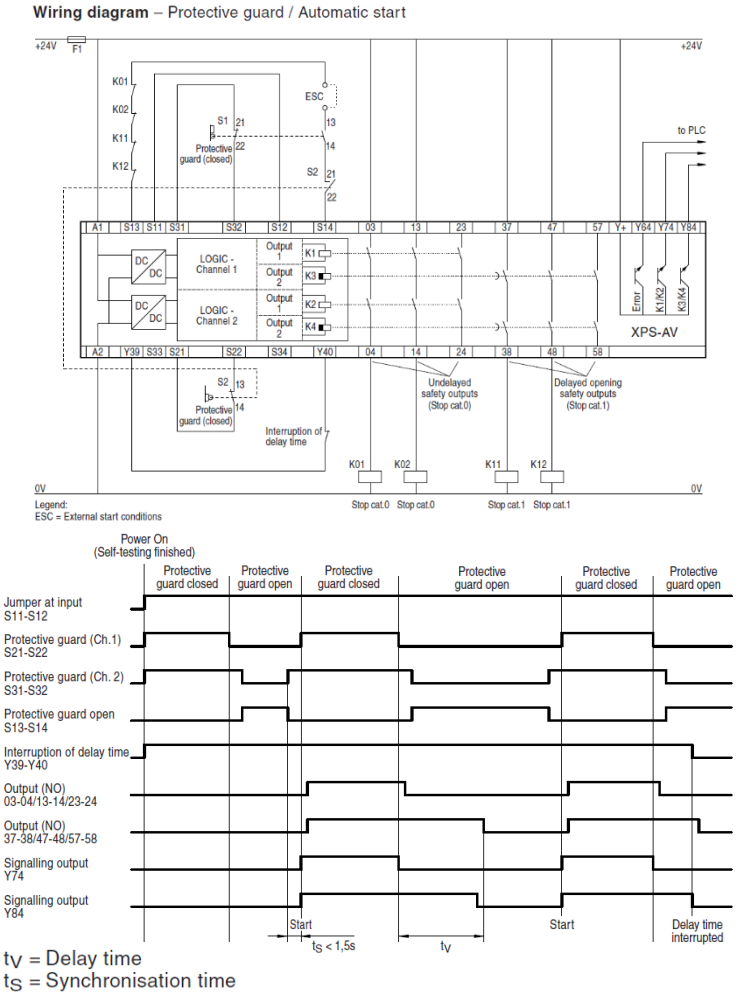
Safety **FUNCTION** position 4.
START configuration position 3.
For more details, please refer to your user guide page 71
Note: With appropriated input and output devices, XPSUAT can reach up to PLc, Cat.1, SILCL1

Wiring Safety Switch diagram XPSAV & XPSUAT

XPSAV



XPSUAT

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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