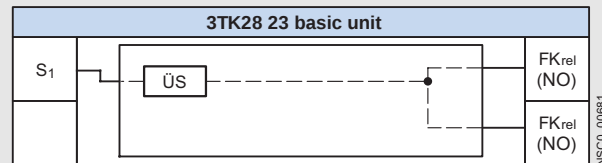
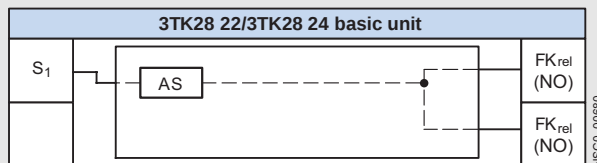
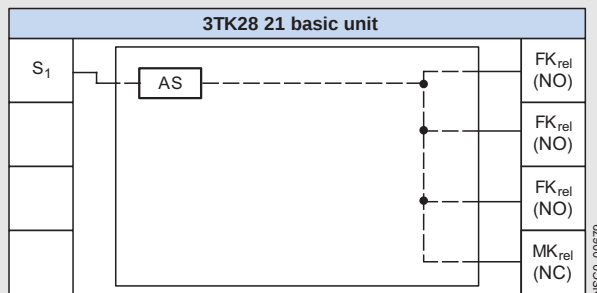


Function

Basic units

3TK28 21 to 3TK28 24

The devices 3TK28 21 to 3TK28 28 (excluding 3TK28 26) each have one sensor input and a varying number of contactor relay enabling circuits and signaling outputs. If the signal is no longer applied to the sensor input, the enabling circuits are disconnected immediately or according to the set delay timed.



Legend

Sensor interface

S_x : Sensor input

Safety logic

AS: Automatic start. Device starts automatically once the enabling conditions are fulfilled. If a START button is integrated in the feedback circuit, a manual start is also possible (up to Category 3 according to EN 954-1).

ÜS: Monitored start. Device does not start until after the enabling conditions are fulfilled and a start signal is issued.

Actuator interface

FK_{rel} : Enabling circuit, relay contact (non-floating)

MK_{rel} : Signaling circuit, relay contact (floating)

NO: NO contact

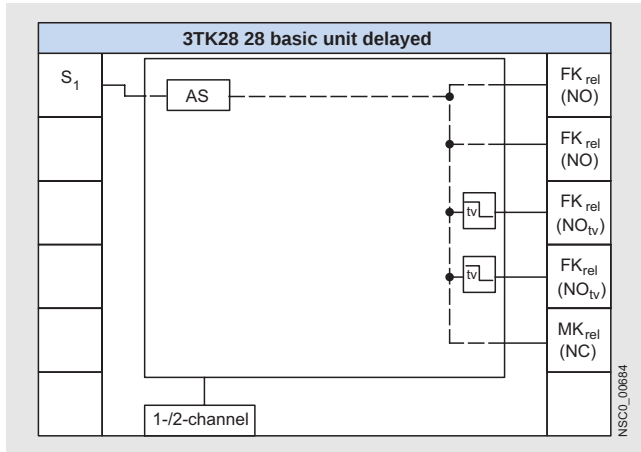
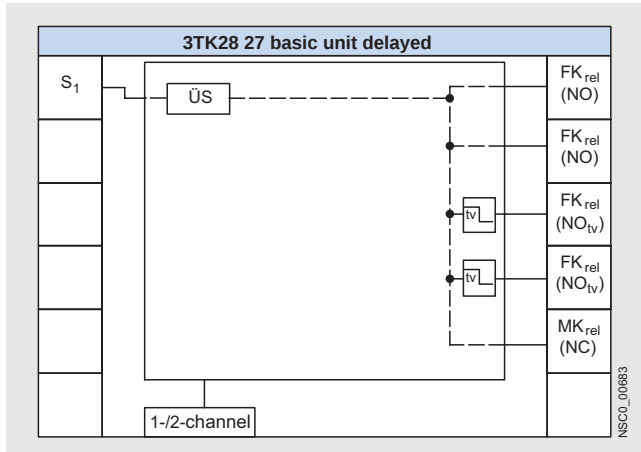
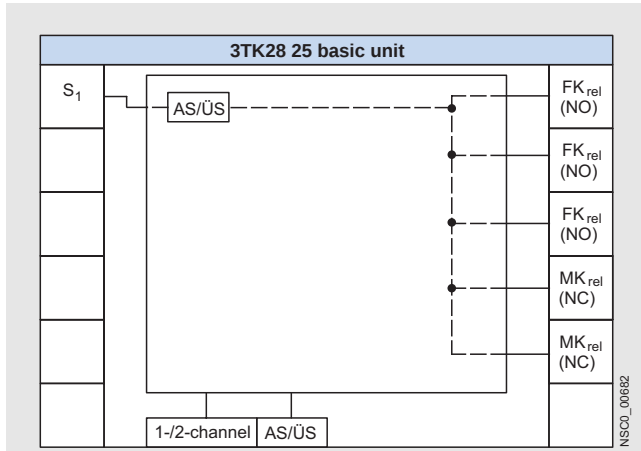
NC: NC contact

3TK28 Safety Relays

With relay enabling circuits

Basic units

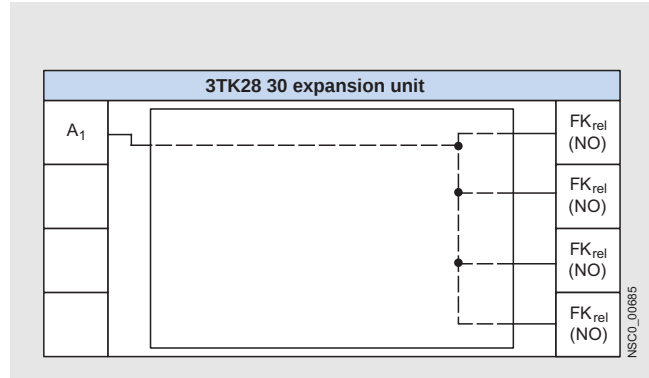
3TK28 25 to 3TK28 28



Expansion unit

3TK28 30

The 3TK28 30 is activated through the power supply input A1. On the output side are four contactor relay enabling circuits. If the signal is no longer applied to the input, the enabling circuits are isolated immediately.



Legend

Sensor interface

S_x: Sensor input
A1: Power supply input as sensor input or cascading input

Safety logic

AS: Automatic start. Device starts automatically once the enabling conditions are fulfilled. If a START button is integrated in the feedback circuit, a manual start is also possible (up to Category 3 according to EN 954-1).
AS/ÜS: Automatic or monitored start depending on the parameterization
ÜS: Monitored start. Device does not start until after the enabling conditions are fulfilled and a start signal is issued.



Time delay, OFF-delay

Parameters

AS/ÜS: Automatic or monitored start depending on the parameterization
1-/2-channel: One-channel / two-channel sensor connection

Actuator interface

FK_{rel}: Enabling circuit, relay contact (non-floating)
MK_{rel}: Signaling circuit, relay contact (non-floating)
NC: NC contact
NO: NO contact
NO_{tv}: NO contact, time-delayed