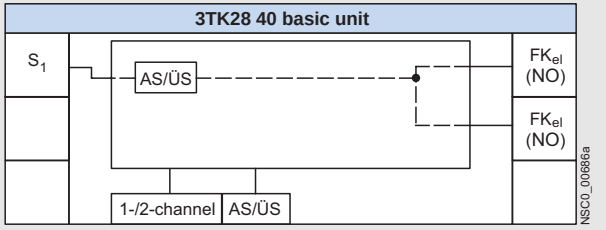
Function

Basic units

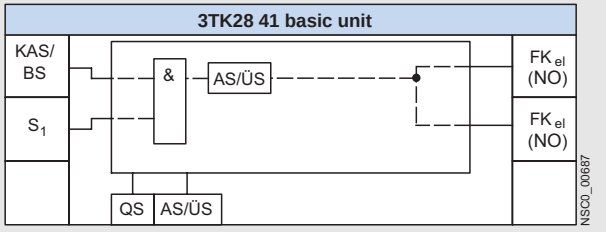
3TK28 40

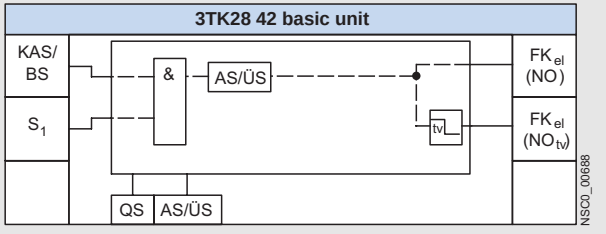
The 3TK28 40 has one sensor input S1 and two solid-state enabling circuits. If the signal is no longer applied to the sensor input, the enabling circuits are disconnected immediately.



3TK28 41 and 3TK28 42

The 3TK28 41 and 3TK28 42 each has one sensor input S1 and one cascading input KAS/BS as well as two solid-state enabling circuits (2 x instantaneous or 1 x instantaneous and 1 x with delay). If the signal is no longer applied to either of the two inputs, the enabling circuits are isolated immediately or according to the set delay time. Autostart or monitored start can be selected in the parameterization.





Legend

Sensor interface

KAS/BS: Cascading input or normal switching duty..
Normal switching duty: Connection of a PLC output for example. The enabling circuits and hence the connected loads can then be operated by the machine control. The safety function is on a higher level.

S_x: Sensor input

Safety logic

AS/ÜS: Automatic or monitored start depending on the parameterization

tv: Time delay, OFF-delay

Parameters

AS/ÜS: Automatic or monitored start depending on the parameterization
QS: With or without crossover monitoring
1-/2-channel: One-channel / two-channel sensor connection

Actuator interface

FK_{el}: Enabling circuit, solid-state (non-floating)
NO: NO contact
NO_{tv}: NO contact, time-delayed

Parameters

QS: With or without crossover monitoring

Actuator interface

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