

3TK28 Safety Relays

With relay enabling circuits

Selection and ordering data



Type	3TK28 21 Basic units	3TK28 22 Basic units	3TK28 23 Basic units	3TK28 24 Basic units	3TK28 25 Basic units	3TK28 27 Basic units t_V	3TK28 28 Basic units t_V	3TK28 30 Expansion units	3TK28 34 Two-hand control units	3TK28 35 Slowing down test apparatus
Sensors										
• Input	1	1	1	1	1	1	1	--	1	--
• Solid-state	--	--	--	--	--	--	--	--	--	--
• With contacts	✓	✓ ¹⁾	✓	✓	✓	✓	✓	--	✓	--
Safety mats	--	--	--	--	--	--	--	--	--	--
Start										
• Auto	✓	✓	--	✓	✓	--	✓	--	--	--
• Monitored	--	--	✓	--	✓	✓	--	--	--	--
Cascading input 24 V DC	--	--	--	--	--	--	--	--	--	--
Key-operated switches	--	--	--	--	--	--	--	--	--	--
Enabling circuit, floating										
• Stop category 0	3 NO	2 NO	2 NO	2 NO	3 NO	2 NO	2 NO	4 NO	2 NO+2 NC	3 NO+2 NC
• Stop category 1	--	--	--	--	--	2 NO	2 NO	--	--	--
Enabling circuit, solid-state										
• Stop category 0	--	--	--	--	--	--	--	--	--	--
• Stop category 1	--	--	--	--	--	--	--	--	--	--
Signaling outputs										
• Floating	1 NC	--	--	--	2 NC	1 NC	1 NC	--	--	--
• Solid-state	--	--	--	--	--	--	--	--	--	--
Category according to EN 954-1 max	3 ²⁾	4	4	3 ²⁾	4	4 ³⁾	4 ³⁾	Corresponds to basic unit	4	4
SIL level max.	--	--	--	--	--	--	--	Corresponds to basic unit	--	--
Rated control supply voltage										
• 24 V DC	--	--	--	✓	✓	✓	✓	--	✓	✓
• 24 V AC/DC	✓	✓	✓	✓	--	--	--	✓	--	--
• 24 V AC	--	--	--	--	✓	✓	✓	--	✓	✓
• 115 V AC	--	--	--	✓	✓	✓	✓	✓	✓	✓
• 230 V AC	--	--	--	✓	✓	✓	✓	✓	✓	✓
• 24 ... 240 V AC/DC	--	--	--	--	--	--	--	--	--	--

✓ = Available

-- = Not available

¹⁾ The ON button is not monitored.

²⁾ Depending on the hazard assessment, additional measures may be necessary in the sensor circuit (e.g. protected laying).

³⁾ Only possible for instantaneous enabling contacts, otherwise Category 3.

⁴⁾ For expansion of Siemens safety products.