

3TK28 Safety Relays

With contactor relay enabling circuits

Selection and ordering data



Type	3TK28 50 Basic units	3TK28 51 Basic units	3TK28 52 Basic units	3TK28 53 Basic units	3TK28 56 Expansion units ¹⁾	3TK28 57 Expansion units ¹⁾ <i>t_v</i>
Sensors						
• Input	1	1	1	1	--	--
• Solid-state	--	--	--	✓	--	--
• With contacts	✓	✓	✓	✓	--	--
Safety mats	✓	✓	✓	✓	--	--
Start						
• Auto	✓	✓	✓	✓	--	--
• Monitored	✓	✓	✓	✓	--	--
Cascading input 24 V DC	--	--	--	✓	✓	✓
Key-operated switches	--	--	--	--	--	--
Enabling circuit, floating						
• Stop category 0	3 NO	2 NO	6 NO	3 NO	6 NO	--
• Stop category 1	--	--	--	--	--	3 NO
Enabling circuit, solid-state						
• Stop category 0	--	--	--	1	1	1
• Stop category 1	--	--	--	--	--	--
Signaling outputs						
• Floating	--	1 NC	1 NC	--	1 NC	--
• Solid-state	--	--	--	--	--	--
Category according to EN 954-1 max	3	3	3	4	Corresponds to basic unit	Corresponds to basic unit
SIL level max.	2	2	2	3	--	--
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	--	--	--	--	--	--
Rated operational voltage						
• 24 V DC	✓	✓	✓	✓	✓	✓
• 230 V AC	✓	✓	✓	✓	✓	✓
• 600 V AC	✓	✓	✓	✓	✓	✓
Switching capacity						
• AC-15 at <i>U</i> = 230 V	✓	✓	✓	✓	✓	✓
• DC-13 at <i>U</i> = 24 V	✓	✓	✓	✓	✓	✓

✓ = Available

-- = Not available

¹⁾ For expansion of Siemens safety products.