

3TK28 Safety Relays

With electronic enabling circuits

Selection and ordering data

Type	3TK28 40 Basic units	3TK28 41 Basic units	3TK28 42 Basic units	3TK28 45	Multi- function unit "auto- matic and monitored start"	Multi- function unit "auto- matic and monitored start"	Multi- function unit "moni- tored start"	Multi- function unit "moni- tored start"	Multi- function unit OK button	Multi- function unit OK button	Multi- function unit "spring- locked tumbler"	Multi- function unit "magnet- locked tumbler"
			t_V		t_V		t_V		t_V		t_V	t_V
Sensors												
• Input	1	1	1	2	2	2	2	2	2	2	2	2
• Solid-state	--	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
• With contacts	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Safety mats	--	✓	✓	✓	✓	✓	✓	✓	--	--	--	--
Start												
• Auto	✓	✓	✓	1	1	--	--	1	1	--	--	--
• Monitored	✓	✓	✓	1	1	2	2	1	1	2	2	2
Cascading input 24 V DC	--	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Key-operated switches	--	--	--	✓	✓	✓	✓	✓	✓	✓	✓	✓
Enabling circuit, floating												
• Stop category 0	--	--	--	2 NO	1 NO	2 NO	1 NO	2 NO	1 NO	1 NO	1 NO	1 NO
• Stop category 1	--	--	--	--	1 NO	--	1 NO	--	1 NO	1 NO	1 NO	1 NO
Enabling circuit, solid-state												
• Stop category 0	2 ¹⁾	2	1	2	1	2	1	2	1	1	1	1
• Stop category 1	--	--	1	--	1	--	1	--	1	1	1	1
Signaling outputs												
• Floating	--	--	--	--	--	--	--	--	--	--	--	--
• Solid-state	--	--	--	1	1	1	1	1	1	1	1	1
Category according to EN 954-1 max	3	4	4	4	4	4	4	4	4	4	4	4
SIL level max.	2	3	3	3	3	3	3	3	3	3	3	3
Performance level PL according to EN ISO 13849	d	e	e	e	e	e	e	e	e	e	e	e
Rated control supply voltage 24 V DC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ = Available

-- = Not available

¹⁾ The outputs are only safe when an external contactor is used.