

# 3TG10 Power Relays/Miniature Contactors

## 4-pole, 4 kW

### Overview

#### Version

The 3TG10 power relays/miniature contactors with 4 main contacts are available with screw terminals or 6.3 mm x 0.8 mm flat connectors. The versions with screw terminals are climate-proof and finger-safe according to EN 61140.

The 3TG10 power relays/miniature contactors are small. Their width is 36 mm.

### Application

Because they are hum-free they are suitable for use in household appliances and distribution boards in office and residential areas. They can also be used for applications where there is little space such as air conditioners, heating systems, pumps and fans, i. e. for simple electrical controls.

#### AC and DC operation

EN 60947-1, EN 60947-4-1

#### Surge suppression

The 3TG10 power relays/miniature contactors have an integrated protective circuit against opening surges.

#### Overload and short-circuit protection


The 3UA7 overload relay can be used for overload protection. This applies to mounting onto contactors and to stand-alone installation.

Information about short-circuit protection for the contactors can be found in the "Technical specifications" (see note on Technical Information on page 3/1).


### Selection and ordering data

Rated data		Utilization category		Main contacts		Rated control supply voltage $U_s$	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS*	PG	Weight per PU approx.
Operational current $I_e$ up to 400 V	Power of AC loads at 50 Hz and 400 V	AC-2 and AC-3		Version									kg
		Operational current $I_e$ up to 400 V <sup>1)</sup>	Power of AC loads at 50 Hz and 400 V	NO	NC								
A	kW	A	kW										

#### 4-pole · Hum-free · With screw terminals For screw and snap-on mounting onto TH 35 standard mounting rail

AC operation, 45 ... 450 Hz								Screw terminals						
	3TG10 ...-0...	20	13	8.4	4	4	--	24 AC	▶	3TG10 10-0AC2	1	1 unit	101	0.157
								110 AC	▶	3TG10 10-0AG2	1	1 unit	101	0.158
								230 AC	▶	3TG10 10-0AL2	1	1 unit	101	0.156
								24 AC	▶	3TG10 01-0AC2	1	1 unit	101	0.157
								110 AC	▶	3TG10 01-0AG2	1	1 unit	101	0.158
								230 AC	▶	3TG10 01-0AL2	1	1 unit	101	0.157
DC operation								Flat connectors						
3TG10 ...-1...	20	13	8.4	4	4	--	24 DC	▶	3TG10 10-0BB4	1	1 unit	101	0.157	
								3	1	24 DC	▶	3TG10 01-0BB4	1	1 unit

#### 4-pole · Hum-free · With 6.3 mm x 0.8 mm flat connectors For screw and snap-on mounting onto TH 35 standard mounting rail

AC operation, 45 ... 450 Hz								Flat connectors						
	3TG10 ...-1...	16	10	8.4	4	4	--	24 AC	▶	3TG10 10-1AC2	1	1 unit	101	0.146
								110 AC	D	3TG10 10-1AG2	1	1 unit	101	0.146
								230 AC	▶	3TG10 10-1AL2	1	1 unit	101	0.145
								24 AC	D	3TG10 01-1AC2	1	1 unit	101	0.147
								110 AC	D	3TG10 01-1AG2	1	1 unit	101	0.146
								230 AC	▶	3TG10 01-1AL2	1	1 unit	101	0.144
DC operation								Flat connectors						
3TG10 ...-1...	16	10	8.4	4	4	--	24 DC	C	3TG10 10-1BB4	1	1 unit	101	0.146	
								3	1	24 DC	D	3TG10 01-1BB4	1	1 unit

For accessories see page 3/123.