



Representative Image

## Ref. No. 666134 | Cat. No. CTX2020048A

Description: **CONTAX contactor 20A 2NO 48vac**

EAN 5413656661344

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Description:

• **Function:**

Contactors are electromechanically controlled switches used to control single or multi-phase (high) power loads while the control itself can be (very) low power.

• **Applications:**

Switching of lighting, heating-equipment, motors for pumps and fans,... Day and night contactors are used mainly in combination with dual-tarif applications to allow high-energy-loads (i.e. electrical water heaters, accumulation heaters) only to consume energy during the low-tarif period. A forced-on, forced-off, auto-switch allows to overrule the normal operation of the DN-contactor at all times.

• **Features:**

Except for the 20A version, all contactors have DC coils, resulting in an absolutely noise-free, real silent operation : 50 or 60Hz noise generation by the contactor is impossible. As all DC coil contactors have an internal diode rectifier bridge, they all can be operated by both DC and AC power supplies. The built-in varistor protects the coil against an overvoltage of up to 5kV. The switch position of the contactor is visualised through an indicator flag. The loss-proof safety terminals are equipped with Pozidriv screws and have IP20 protection degree. Add-on auxiliary contacts as well as spacers and sealing pieces are available

### Descriptors

Category	Contactors
Family	Contactor - Contax

### Specifications

Rated switching capacity (A)	20 A
Contact combination	2NO
Coil voltage (V)	48 V
AC/DC	AC
Number of modules	1
Standards	IEC 60947-4-1, EN 60947-4-1, IEC 61095, EN 61095
Rated insulation voltage (Vac)	400Vac
Rated operational voltage (Vac)	250Vac
Switching-on capacity at 220-230Vac 1-phase (A)	100 A
Switching-off capacity at 220-230Vac 1-phase (A)	80 A
Fuse type GL for short-circuit protection (A)	20 A
Ohmic loss per contact at In (W)	1.00 W
Maximum switching frequency AC1/AC7A	300/h
Maximum switching frequency AC3/AC7B	600/h
Mechanical service life	1.000.000 connections
Electrical service life AC1 / AC7a	150000
Electrical service life AC3 / AC7b	150000
Screws	Pozidriv 1
Terminal capacity min	1 x 1 mm <sup>2</sup>
Magnet contr sys Control voltage range	85 - 110% x Vnom

## Specifications

Magnet contr sys Rated operating frequency (Hz)	50 or 60Hz
Magnet contr sys Operating temperature range (°C)	-25°C / +55°C
Magnet contr sys Maximum pull-in coil power loss	8.0 VA / 5.0 W
Magnet contr sys Maximum holding coil power loss	3.2 VA / 1.2 W
Magnet contr sys Switching-on delay (ms)	9 - 12 ms
Magnet contr sys Switching-off delay (ms)	10 - 12 ms
Magnet contr sys Screws	Pozidriv 1
Terminal capacity max (mm <sup>2</sup> )	1 x 10 mm <sup>2</sup> / 2 x 4 mm <sup>2</sup>
Magnet contr sys Terminal capacity min (mm <sup>2</sup> )	1 x 1 mm <sup>2</sup>
Magnet contr sys Terminal capacity max (mm <sup>2</sup> )	1 x 4 mm <sup>2</sup> or 2 x 2.5 mm <sup>2</sup>

## Classifications

Approvals	CE, VDE
ETIM 5.0	EC001653
ETIM 6.0	EC001653

## Dimensions

Weight	0.200 kg
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## Package information

Standard packing	12
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