Representative Image

Ref. No. 666144 | Cat. No. CTX2440024U

Description: CONTAX contactor 24A 4NO 24Vuc

EAN 5413656661443

Home > Modular DIN-rail devices > Comfort functions > Contactors

Description:

• Function:
Contactors are electromechanically controlled switches used to contol 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 an AC power supplies. The built-in varistor protecs the coil against an overvoltage of up to 5kV.
The switch position of the contactor isvisualised hrough 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)	24 A
Contact combination	4NO
Coil voltage (V)	24 V
AC/DC	AC/DC
Number of modules	2
Standards	IEC 60947-4-1, EN 60947-4-1, IEC 61095, EN 61095
Rated insulation voltage (Vac)	500Vac
Rated operational voltage (Vac)	440Vac
Switching-on capacity at 380-400Vac 3-phase (A)	90 A
Switching-off capacity at 380-400Vac 3-phase (A)	72 A
Fuse type GL for short-circuit protection (A)	35 A
Ohmic loss per contact at In (W)	1.5 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	500000
Screws	Pozidriv 1
Terminal capacity min	1 x 1 mm²
Magnet contr sys Control voltage range	85 - 110%x Vnom

Specifications

Magnet contr sys Rated operating frequency (Hz)	dc, 40 - 450Hz
Magnet contr sys Operating temperature range (°C)	-25°C / +55°C
Magnet contr sys Maximum pull-in coil power loss	4 VA / 4 W
Magnet contr sys Maximum holding coil power loss	4 VA / 4 W
Magnet contr sys Switching-on delay (ms)	40 ms
Magnet contr sys Switching-off delay (ms)	40 ms
Magnet contr sys Screws	Pozidriv 1
Terminal capacity max (mm²)	1 x 10 mm² / 2 x 4 mm²
Magnet contr sys Terminal capacity min (mm²)	1 x 1 mm²
Magnet contr sys Terminal capacity max (mm²)	1 x 4 mm² or 2 x 2.5 mm²

Classifications

Approvals	CE, VDE
ETIM 5.0	EC001653
ETIM 6.0	EC001653

Dimensions

Weight	0.280 kg

Package information

Standard packing	5