

2900538

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Hybrid motor starter for reversing $3\sim$ AC motors up to 500 V AC and 9 A output current, with 24 V DC control voltage, and screw connection.

Your advantages

- 22.5 mm wide
- · Reduction in wiring
- · Space saving
- · Long service life
- 3-phase loop bridges
- · Low-wear switching

Commercial data

Item number	2900538
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C470
Product key	CK7424
Catalog page	Page 29 (C-5-2019)
GTIN	4046356526104
Weight per piece (including packing)	229.2 g
Weight per piece (excluding packing)	173.51 g
Customs tariff number	85371098
Country of origin	DE



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Technical data

Product properties

Product type	Hybrid motor starters
Product family	CONTACTRON
Operating mode	100% operating factor

Electrical properties

Number of phases	3
Motor starter type	Reversing starter
Maximum power dissipation for nominal condition	13.5 W
Switching frequency	≤ 2 Hz (Load-dependent)
Maximum power dissipation	14.6 W
Minimum power dissipation	1.1 W
Coordination type	1

Supply

Rated control circuit supply voltage U _S	24 V DC
Control supply voltage range	19.2 V DC 30 V DC
Rated control supply current I _S	40 mA
Protective circuit	Surge protection
	Reverse polarity protection

Insulation characteristics

Rated insulation voltage	500 V
Rated surge voltage	6 kV
Overvoltage category	III
Degree of pollution	2
Insulation characteristics between the control input and control	Safe isolation (IEC 60947-1) at operating voltage ≤ 300 V AC
supply voltage, and auxiliary circuit to the main circuit	Basic insulation (IEC 60947-1) at operating voltage 300 V AC \dots 500 V AC
Isolation characteristics between the control input and control supply voltage to auxiliary circuit	Safe isolation (IEC 60947-1) in the auxiliary circuit ≤ 300 V AC

Input data

Control

Control input right/left
24 V DC
19.2 V DC 30 V DC
5 mA (Input type 1)
9.6 V ("0" signal)
19.2 V ("1" signal)
< 30 ms
Reverse polarity protection



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Output data

AC output

Rated operating voltage U _e	500 V AC
Operating voltage range	42 V AC 550 V AC
Rated operating current I _e	9 A (AC-51)
	6.5 A (AC-53a)
Mains frequency	50/60 Hz
Load current range	0 A 9 A (see to derating)
Trigger characteristic in acc. with IEC 60947-4-2	-
Leakage current	0 mA
Protective circuit	Surge protection

Connection data

Control circuits

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm² 2.5 mm²
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section AWG	24 14
Tightening torque	0.5 Nm 0.6 Nm
	5 lb _f -in 7 lb _f -in.

Load circuit

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm ² 2.5 mm ²
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section AWG	24 14
Tightening torque	0.5 Nm 0.6 Nm
	5 lb _f ·in 7 lb _f ·in.

Signaling

Status display	Yellow LED
Operating voltage display	Green LED

Dimensions

Width	22.5 mm
Height	107 mm
Depth	114 mm

Material specifications



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Flammability rating according to UL 94	V0 (Housing)
nvironmental and real-life conditions	
Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-25 °C 70 °C (observe derating)
Ambient temperature (operation) Ambient temperature (storage/transport)	-40 °C 80 °C
Altitude	≤ 2000 m
pprovals	
UKCA	
Certificate	UKCA-compliant
UL approval	
Certificate	NLDX.E228652
UL data	
SCCR	100 kA (500 V AC (fuse: 30 A class CC/30 A class J (high fault
	5 kA (500 V AC (fuse: 20 A RK5 (standard fault)))
FLA	6.5 A (500 V AC)
Group installation	20 A (class RK5, SCCR 5kA, #24 - 14 AWG max. solid and stranded)
	30 A (class CC or J, SCCR 100kA, #24 - 14 AWG max, solid ar stranded)
Category code	NLDX / NRNT
tandards and regulations	
Standards/regulations	
Standards/regulations	IEC 60947-1
·	IEC 60947-4-2
	IEC 61508
	ISO 13849
ounting	
Mounting type	DIN rail mounting
Assembly instructions	alignable, for spacing see derating
Mounting position	vertical (horizontal DIN rail, motor output below)



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Classifications

ECLASS

	ECLASS-11.0	27370905	
	ECLASS-12.0	27370905	
	ECLASS-13.0	27370905	
ETIM			
	ETIM 9.0	EC001037	
UNSPSC			
	UNSPSC 21.0	25173900	



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Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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