

2297824

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"4 in 1" three-phase solid-state reversing contactor with 24 V DC input, 0.4 A output current and adjustable overload shutdown

Commercial data

Item number	2297824
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK7422
GTIN	4046356361965
Weight per piece (including packing)	270.8 g
Weight per piece (excluding packing)	247.3 g
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

Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	safe isolation
Overvoltage category	III
Degree of pollution	2

Electrical properties

Number of phases	3
Service life electrical	3x 10 ⁷ cycles
Maximum power dissipation for nominal condition	1.5 W
Reversing frequency	≤ 2 Hz
Maximum power dissipation	1.5 W
Minimum power dissipation	1.1 W

Air clearances and creepage distances between the power circuits

Rated insulation voltage	500 V
Rated surge voltage	6 kV

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

Input data

Control

Input name	Control input right/left
Rated actuating voltage U _C	24 V DC
Triggering voltage range	19.2 V DC 30 V DC
Rated actuating current I _C	5 mA
Switching threshold	9.6 V ("0" signal)
	19.2 V ("1" signal)
Typical response time	< 35 ms
Typical turn-off time	< 40 ms

Output data

AC output



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Rated operating voltage U _e	500 V AC
Operating voltage range	42 V AC 550 V AC
Mains frequency	50/60 Hz
Load current range	120 mA 400 mA
Acknowledge output	
Note	Confirmation 01: floating changeover contact
Contact switching type	1 changeover contact
Switching capacity in accordance with IEC 60947-5-1	3 A (230 V, AC15)
	2 A (24 V (DC13))
onnection 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
Load circuit	
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
gnaling	
Status display	LED (yellow)
Operating voltage display	Green LED
Error indication	Red LED
mensions	
Width	22.5 mm
Height	107 mm
Depth	114 mm
aterial specifications	
Flammability rating according to UL 94 (Housing)	V0 (Housing)
vironmental and real-life conditions	
Ambient conditions	
Degree of protection	IP20
Ambient temperature (operation)	-25 °C 70 °C



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Ambient temperature (storage/transport)	-40 °C 80 °C
Approvals	
ATEX	
Identification	
Certificate	PTB 07 ATEX 3145
UL approval	
Certificate	NLDX.E228652
Standards/regulations	
Standards/regulations	
Standards/regulations	DIN EN 50178
	EN 60947
Power station requirements	
Standards/regulations	DWR 1300/ZXX01/DD/7080.8d
Air clearances and creepage distances between the power circuits	
Standards/regulations	DIN EN 50178
Mounting	
Mounting type	DIN rail mounting
Assembly note	can be aligned with spacing = 20 mm
Mounting position	Vertical (horizontal DIN rail)



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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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