

2963569

https://www.phoenixcontact.com/us/products/2963569

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Electronic reversing load relay, with integrated soft starter, 3 x 8 A load current

Your advantages

- · Parameterization is performed directly on the device via the display and keyboard
- · Drive can be controlled locally via keyboard
- · Start up time
- · Friction time
- · Torque start
- Stop time
- · Torque stop
- · Braking torque

Commercial data

Item number	2963569
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C472
Product key	CK7222
Catalog page	Page 44 (C-5-2019)
GTIN	4017918922498
Weight per piece (including packing)	789.5 g
Weight per piece (excluding packing)	663.72 g
Customs tariff number	85364900
Country of origin	DE



https://www.phoenixcontact.com/us/products/2963569



Technical data

Product properties

Product type	Solid-state contactor
Operating mode	100% operating factor

Electrical properties

Number of phases	3
Mains type	3-phase
Test voltage (Input/output)	2.5 kV (50 Hz, 60 s)

Input data

Control

Input name	Control input right/left
Nominal supply voltage	24 V DC
Supply voltage range with reference to U _{VN}	0.8 1.2
Nominal input voltage U _N	24 V DC
Input voltage range in reference to U _N	0.8 1.2
	0.8 1.2
Quiescent current	85 mA
Typical input current at U _N	5 mA
Rated actuating voltage U _C	24 V DC
Triggering voltage range	19.2 V DC 28.8 V DC
Voltage range with reference to U _C	0.8 1.2
	0.8 1.2
Rated actuating current I _C	5 mA
Switch-on delay max.	< 35 ms
Switch-off delay max.	< 25 ms
Protective circuit	Reverse polarity protection; Series polarity protection diode
	Surge protection
Operating voltage display	Green LED
Error indication	Red LED
Status display	Yellow LED
Switch-over frequency	< 2.5 Hz (at cos φ = 0.5)

Output data

AC output

7.6 Calpat	
Rated operating voltage U _e	400 V AC
Operating voltage range	110 V AC 433 V AC
Maximum switching voltage	440 V AC (L1/T1)
	440 V AC (L2/T2)
	440 V AC (L3/T3)



https://www.phoenixcontact.com/us/products/2963569



Peak offstate voltage	1000 V
Mains frequency	50 Hz
	60 Hz
Continuous load current	8 A (see derating curve)
Load current range	150 mA 8 A (at 20 °C Tu, see derating)
Leakage current	5 mA (IL1, in switched-off state)
	3 mA (IL2, in switched-off state)
	3 mA (IL3, in switched-off state)
Residual voltage	typ. 1.5 V (For IL)
Surge current	230 A (tp = 10 ms, at 25 °C)
Max. load value	265 A ² s
Protective circuit	RC element; RC element
	Surge protection
Surge voltage protection	> 690 V

Connection data

Control circuits

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm² 6 mm²
Conductor cross section flexible	0.2 mm² 4 mm²
Conductor cross section AWG	24 10

Load circuit

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm² 6 mm²
Conductor cross section flexible	0.2 mm² 4 mm²
Conductor cross section AWG	24 10

Signaling

Status display	Yellow LED
Operating voltage display	Green LED
Error indication	Red LED

Dimensions

Width	62.5 mm
Height	84.1 mm
Depth	120 mm

Material specifications

	(= 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
Color	green (RAL 6021)
	3 - 7



2963569

https://www.phoenixcontact.com/us/products/2963569

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C 60 °C
Ambient temperature (storage/transport)	-20 °C 70 °C

Standards and regulations

Standards/regulations	DIN EN 50178	
Standards/regulations		
Standards/regulations	EN 61000-6-2	
	EN 61000-6-4	

Mounting

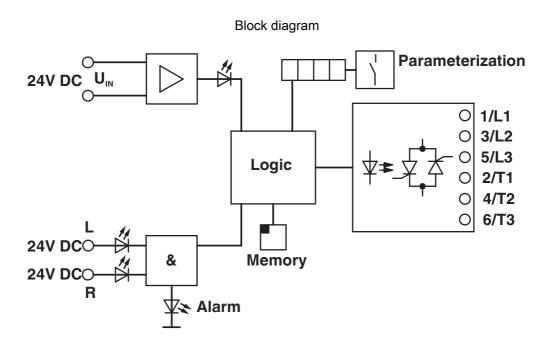
Mounting type	DIN rail mounting
Assembly note	Can be aligned with > 20 mm spacing
Mounting position	Vertical (horizontal DIN rail)

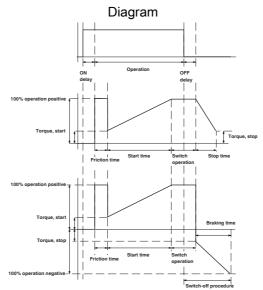
2963569

https://www.phoenixcontact.com/us/products/2963569



Drawings



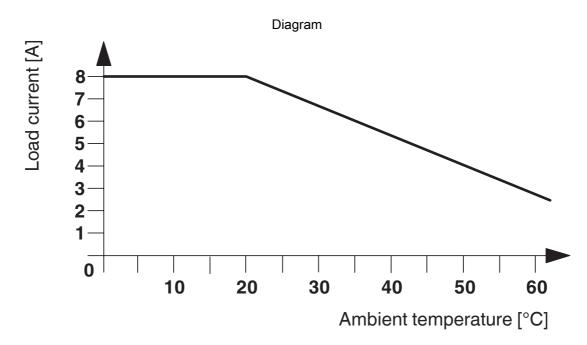


Controlling the reversing load relay and operating a three-phase current load



2963569

https://www.phoenixcontact.com/us/products/2963569



Load current as a function of the ambient temperature Operating time: 100% operating factor



2963569

https://www.phoenixcontact.com/us/products/2963569

Classifications

ECLASS

	ECLASS-11.0	27371014	
UN	UNSPSC		
	UNSPSC 21.0	39122333	



2963569

https://www.phoenixcontact.com/us/products/2963569

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%

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com