

1336410

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3-phase voltage monitoring relay, with overvoltage, undervoltage, window monitoring as well as phase sequence, phase loss failure, asymmetry (adjustable asymmetry) and neutral monitoring functions. 24 V AC/DC ... 240 V AC/DC wide range power supply, with adjustable threshold values, response delay, and supporting failure record storage and NFC communication. True RMS value test.

Commercial data

Item number	1336410
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C443
Product key	CK4711
GTIN	4063151636289
Weight per piece (including packing)	208 g
Weight per piece (excluding packing)	195 g
Customs tariff number	85364900
Country of origin	CN



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Technical data

Product properties

Product type	Voltage monitoring relay
Operating mode	Closed circuit or wire break
Insulation characteristics: Railway standard	
Insulation characteristics: Railway standard Overvoltage category	III

Electrical properties

Service life electrical	approx. 1x 10 ⁵ cycles, resistive load 2000 V A
Maximum power dissipation for nominal condition	15 W
Mains type	3-phase

Railway standard

Rated insulation voltage	690 V (Between the measuring circuit and other circuits)
	600 V (Between other circuits)

Electrical isolation

Electrical isolation 3	300 V
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Supply

24 V DC 240 V DC -25 % +30 % 24 V 240 V AC (Railway application) 48 V 110 V DC (Railway application) Nominal power consumption 15 VA (1.5 W)	Supply voltage range	24 V AC 240 V AC -15 % +10 %
48 V 110 V DC (Railway application)		24 V DC 240 V DC -25 % +30 %
		24 V 240 V AC (Railway application)
Nominal power consumption 15 VA (1.5 W)		48 V 110 V DC (Railway application)
	Nominal power consumption	15 VA (1.5 W)

Input data

Input name	Measuring input
Measured value	AC sine (48 Hz 63 Hz)
Input resistance of voltage input	0.75 ΜΩ
Frequency range	48 Hz 400 Hz
Maximum temperature coefficient	0.05 %/K
Setting range for response delay	0 s 99.9 s
Min setting range of the voltage threshold value	160 V
Max. setting range of the voltage threshold value	690 V
Function	Undervoltage
	Overvoltage
	Window
	Asymmetry
	Phase sequence
	Phase failure
	Neutral conductor break



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Basic accuracy	1 %
Repeat accuracy	0.5 %
Voltage influence	0.5 %
Recovery time	200 ms

Output data

Switching

Contact switching type	2 floating changeover contacts
Contact material	AgSnO
Maximum switching voltage	250 V AC
Interrupting rating (ohmic load) max.	2000 VA (8 A/250 V AC)
Output fuse	10 A (fast-blow)

Connection data

Connection method	Screw connection
Stripping length	10 mm
Conductor cross section rigid	0.2 mm ² 2.5 mm ²
Conductor cross section flexible	0.2 mm ² 2.5 mm ²
Conductor cross section AWG	24 14
Tightening torque	0.5 Nm 0.6 Nm (5 lb in 7 lb in)

Dimensions

Width	22.5 mm
Height	109 mm
Depth	114 mm

Material specifications

Flammability rating according to UL 94	V0
Housing insulation material	PBT

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP40 (Housing)
	IP20 (Connection terminal blocks)
Ambient temperature (operation)	-25 °C 70 °C
Ambient temperature (storage/transport)	-40 °C 85 °C
Altitude	2000 m
Permissible humidity (operation)	10 % 95 %

Approvals

CE/UKCA

Identification	EN 62311, EN 300 330, EN 301 489-1, EN 301 489-3, EN/IEC
	63000



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UL, USA/Canada

Identification	UL/C-UL Listed UL 508	
CCC		
Identification	GB/T 14048.5	
Electronic devices in rail vehicles		
Operating temperature class	OT4	
Class of extended operating temperature upon activation	ST2	
Temperature change class	H1	
Interruption of the power supply/supply changeover	S2	
	S3/C1	
	C2	
Hazard levels	HL1	
	HL2	
	HL3	
Protective coating	PC2	
Shock (operation)	Category 1	
Vibration (operation)	Class B	

EMC data

Low Voltage Directive	Conformance with Low Voltage Directive
Noise immunity	EN 61000-6-2
Electromagnetic compatibility	Conformance with EMC directive
Noise emission	EN 61000-6-4

Standards and regulations

Railway standard

Standard designation	EN 50155, GB/T 25119
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Mounting

Assembly instructions	on standard DIN rail NS 35 in accordance with EN 60715
Mounting position	any



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Approvals

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CCC

Approval ID: 2022000303000015



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Classifications

ECLASS

ECLASS-11.0	27371801
ECLASS-13.0	27371801
ECLASS-12.0	27371801

ETIM

Е	TIM 9.0	EC001438



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Environmental product compliance

REACh SVHC Lead 7439-92-1

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