Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Reversing load relay - CM 90-ELR-W3/5-R - 2940113

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Electronic reversing load relay, for direct driving of 3-phase equipment in the 3-phase network, with light indicator and protection circuit, output: 400 V AC/ 3 x 5 A

Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	662.9 GRM
Custom tariff number	85364900
Country of origin	Germany

Technical data

Dimensions

Width	90 mm
Height	75 mm
Depth	116 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Degree of protection	IP20

Input data

Input name	Device supply
Nominal supply voltage	24 V DC
Switch-over frequency	2.5 Hz (RL / LL)
Protective circuit	Protection against polarity reversal Polarity protection diode
	Surge protection
Input name	Control input right/left

Output data

Output name	AC output
Nominal output voltage	400 V AC +10 % -20 %

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Technical data

Output data

Nominal output voltage range	320 V AC ... 440 V AC
Periodic peak reverse voltage	1000 V
Mains frequency	50 Hz
	60 Hz
Continuous load current	3x 5 A (see derating curve)
Load current	min. 150 mA
Leakage current	7 mA
Residual voltage	1.7 V
Surge current	230 A (t = 10 ms)
Protective circuit/component	RCV circuit
Surge voltage protection	750 V
Output name	Reply output: Alarm Contact
Nominal output voltage	24 V DC +25% -20%
Continuous load current	100 mA
Protective circuit/component	Decoupling diode
Type of protection	Free running
Protective circuit/component	Damping diode
Status display	LED
Output name	Reply output: "right / left"
Number of outputs	2
Nominal output voltage	24 V DC +25% -20%
Continuous load current	100 mA
Protective circuit/component	Decoupling diode
Type of protection	Free running
Protective circuit/component	Damping diode
Status display	LED

Connection data

Connection method	Screw connection
Stripping length	8 mm
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Screw thread	M3

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Technical data

General

Test voltage input/output	3.5 kV AC
Mounting position	Vertical (horizontal DIN rail)
Assembly instructions	Can be aligned with spacing = 20 mm
Operating mode	100% operating factor
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
	DIN VDE 0106-101
	DIN VDE 0160 (in relevant parts)
	IEC 801-5

Classifications

eCl@ss

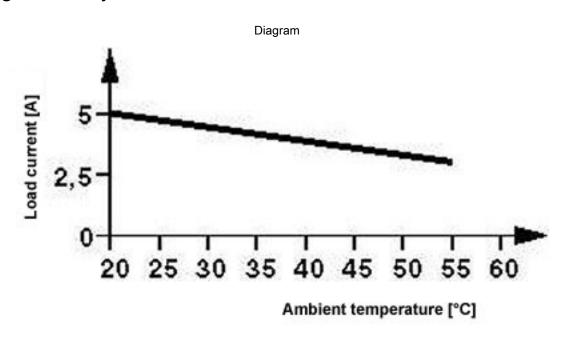| eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371601
eCl@ss 5.1	27371601
eCl@ss 6.0	27371601
eCl@ss 7.0	27371601

ETIM

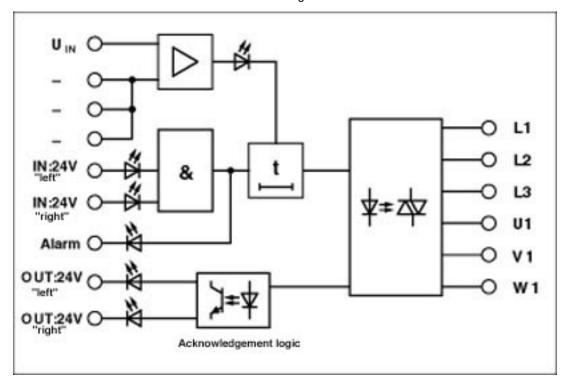| ETIM 2.0	EC000066
ETIM 3.0	EC000066
ETIM 4.0	EC000066
ETIM 5.0	EC002055

UNSPSC

UNSPSC 6.01	30211915
UNSPSC 7.0901	39121514
UNSPSC 11	39121514
UNSPSC 12.01	39121514
UNSPSC 13.2	39121514

Drawings

PHŒNIX CONTACT

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Diagram

Circuit diagram