

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!



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PLC-INTERFACE for railway applications and high continuous currents, consisting of basic terminal block with push-in connection and plug-in miniature relay, range: $0.7 \times U_N$ to $1.25 \times U_N$, temperature class TX: -40° C to $+70^{\circ}$ C, 1 PDT, input voltage 24 V DC

The figure shows the version with spring-cage connection

Product Features

- Certified according to EN 50155
- ☑ Vibration and shock resistance according to EN 50155
- ☑ Safe isolation according to DIN EN 50178 between coil and contact
- ✓ Temperature range from -40°C to +70°C (+85°C briefly)





Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	66.08 GRM
Custom tariff number	85364190
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	14 mm
Height	80 mm



Technical data

Dimensions

Depth	94 mm
'	

Ambient conditions

Ambient temperature (operation)	-40 °C 70 °C (Temperature class TX)
Ambient temperature (storage/transport)	-40 °C 85 °C

Coil side

Nominal input voltage U _N	24 V DC
Input voltage range in reference to U _N	0.7 1.25
Typical input current at U _N	20 mA
Typical response time	5 ms
Typical release time	11 ms
Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier Bridge rectifier
	Free-wheeling diode Damping diode
	Surge protection
	RCZ filter
	Wide-range electronics

Contact side

Contact type	1 PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC (Separating plate PLC-ATP must be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules.)
Minimum switching voltage	12 V (at 10 mA)
Maximum inrush current	30 A (300 ms)
Min. switching current	10 mA (at 12 V)
Limiting continuous current	10 A (With inserted bridge 2967691)
Interrupting rating (ohmic load) max.	240 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
	1500 VA (for 250 V AC)
Switching capacity in acc. with DIN VDE 0660/IEC 60947	2 A (24 V (DC13))
	0.2 A (220 V (DC13))
	6 A (230 V (AC 15))

General



Technical data

General

Test voltage relay winding/relay contact	5 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Degree of protection	RT III (relay)
	IP20 (basic terminal block)
Mechanical service life	Approx. 3 x 10 ⁷ cycles
Inflammability class according to UL 94	V0
Standards/regulations	EN 50155 (VDE 0115 part 200)
	EN 50178
	IEC 62103
	EN 61373
	EN 50121
Rated surge voltage / insulation	6 kV / Basic isolation
Rated insulation voltage	250 V AC
Pollution degree	2
Surge voltage category	III
Mounting position	any
Assembly instructions	In rows with zero spacing

Connection data

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG/kcmil max	14
Conductor cross section AWG/kcmil min.	26

Classifications

eCl@ss

eCl@ss 4.0	27371001
eCl@ss 4.1	27371001
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001



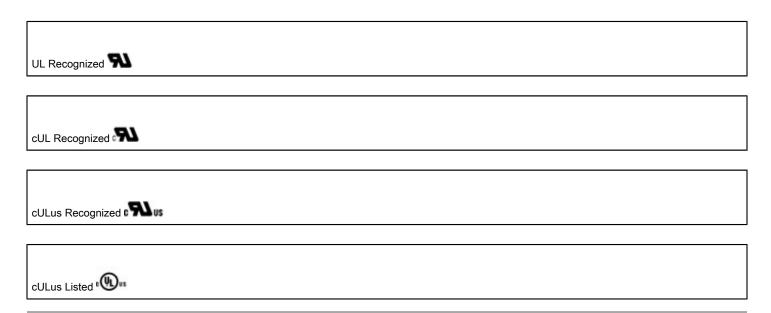
Classifications

eCl@ss 8.0	27371001	
ETIM	·	
ETIM 4.0	EC000196	
ETIM 5.0	EC000196	
UNSPSC		
UNSPSC 6.01	30211916	
UNSPSC 7.0901	39121515	
UNSPSC 11	39121515	
UNSPSC 12.01	39121515	
UNSPSC 13.2	39121515	
Approvals		
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Approvals



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