

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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Modular terminal block with two-stage surge protection for two signal wires with common reference potential, disconnect knife on both signal paths, separate ground connection, nominal voltage: 24 V DC

Why buy this product

- ✓ Versions with and without disconnect knife
- ☑ Protection of two signal wires with common reference potential
- Multi-stage modular terminal blocks with screw connection technology
- ☑ Disconnection of signal circuits by disconnect knife

















Key Commercial Data

Packing unit	14 STK
GTIN	4 046356 182850
GTIN	4046356182850

Technical data

Dimensions

Height	94.8 mm
Width	6.2 mm
Depth	69.1 mm

Ambient conditions

Ambient temperature (operation)	-40 °C 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Degree of protection	IP20 (with end cover)

General

Housing material	PA 6.6
Flammability rating according to UL 94	V-0



Technical data

General

Color	jet black RAL 9005
Mounting type	DIN rail: 35 mm
Туре	Double-level terminal block with PE foot – separate PE connection
Number of positions	2
Direction of action	Line-Earth Ground

Protective circuit

IEC test classification	C1
	C2
	C3
	D1
Nominal voltage U _N	24 V DC
Maximum continuous voltage $U_{\mathbb{C}}$	30 V DC
	21 V AC
Rated current	300 mA (40 °C)
Operating effective current I_{C} at U_{C}	≤ 5 μA
Residual current I _{PE}	≤ 10 µA
Nominal discharge current I _n (8/20) µs (line-line)	5 kA
Nominal discharge current I _n (8/20) µs (line-earth)	5 kA
Pulse discharge current l _{imp} (10/350) μs (line-earth)	500 A
Total discharge current I _{total} (8/20) μs	10 kA
Nominal pulse current Ian (10/1000) µs (line-earth)	30 A
Output voltage limitation at 1 kV/µs (line-earth) spike	≤ 45 V
Output voltage limitation at 1 kV/µs (line-earth) static	≤ 45 V
Residual voltage at I _n (line-earth)	≤ 45 V
Residual voltage with Ian (10/1000) µs (line-earth)	≤ 50 V
Voltage protection level U _p (line-earth)	≤ 55 V (C1 - 500 V / 250 A)
	≤ 85 V (C2 - 10 kV / 5 kA)
Response time t _A (line-earth)	≤ 1 ns
Input attenuation aE, asym.	typ. 0.5 dB (≤ 1.5 MHz / 50 Ω)
	typ. 0.2 dB (≤ 400 kHz / 150 Ω)
Cut-off frequency fg (3 dB), asym. (PE) in 50 Ohm system	typ. 6 MHz
Cut-off frequency fg (3 dB), asym. (PE) in 150 Ohm system	typ. 2.5 MHz
Capacity (line-earth)	< 2.5 nF
Resistance in series	4.7 Ω ±20 %
Surge protection fault message	none
Max. required back-up fuse	315 mA (T)
Impulse durability (line-earth)	C1 - 500 V / 250 A
	C2 - 10 kV/5 kA
	D1 - 500 A



Technical data

Connection data

Connection method	Screw connection
Connection method IN	Screw terminal blocks
Connection method OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.6 Nm
Stripping length	8 mm
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section solid	0.2 mm² 4 mm²
Conductor cross section AWG	24 14

Standards and Regulations

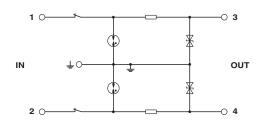
Standards/specifications	EN 61643-21 2001
	IEC 61643-21 2000

Environmental Product Compliance

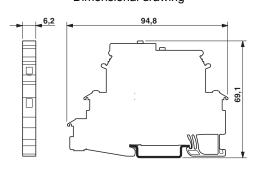
REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

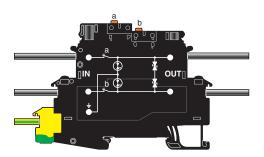
Circuit diagram



Dimensional drawing

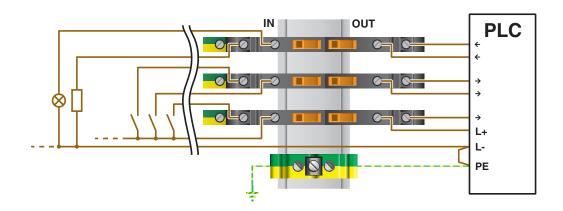


Schematic diagram

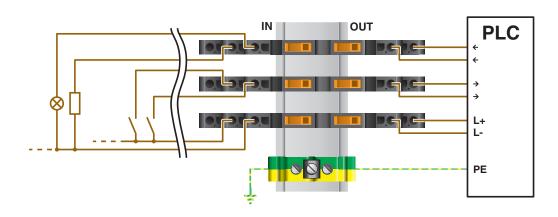




Application drawing



Application drawing



Approvals

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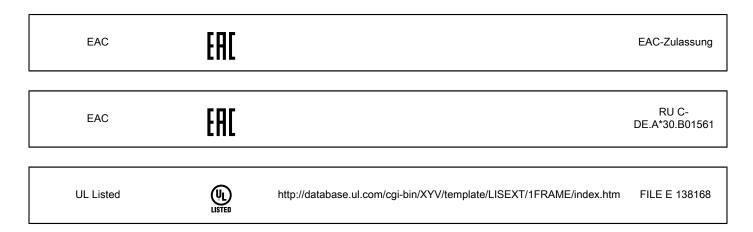
EAC / EAC / UL Listed

Ex Approvals

Approval details



Approvals



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