

2980319

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6.2 mm PLC basic terminal block with protection against interference currents/voltages on the control side, with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with integrated RCZ filter, 1 changeover contact, input voltage 120 V AC

Your advantages

- · Resistant to interference currents
- · High relay release voltage

Commercial data

Item number	2980319
Packing unit	1 pc
Minimum order quantity	10 pc
Sales key	C461
Product key	CK6211
Catalog page	Page 388 (C-5-2019)
GTIN	4017918895709
Weight per piece (including packing)	36.6 g
Weight per piece (excluding packing)	30.2 g
Customs tariff number	85366990
Country of origin	DE



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Technical data

Notes

Jtilization restriction	
EMC note	EMC: class A product, see manufacturer's declaration in the download area
roduct properties	
Product type	Relay socket
Product family	PLC-INTERFACE
Application	Filter to prevent interference
Operating mode	100% operating factor
Compatible components	Miniature relay, REL-MR-60DC/21AU, REL-MR-60DC/21; miniature optocoupler, OPT-60DC/48DC/100, OPT-60DC/24DC/2, OPT-60DC/230AC/1
Insulation characteristics	
Pollution degree	3
lectrical properties	
Protective circuit	Bridge rectifier; Bridge rectifier
	RCZ filter; RCZ filter
put data	
Nominal input voltage U _N	120 V AC
	110 V DC
Relay assembly	
Nominal input voltage U _N	120 V AC
	110 V DC
Input voltage range in reference to $\mathbf{U}_{\mathbf{N}}$	0.8 1.4
Typical input current at U _N	7 mA (50 Hz)
	8 mA (60 Hz)
Typical response time	7 ms
Typical release time	20 ms
Typical release voltage	50 V AC
Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier; Bridge rectifier
	Filter; Filter
Optocoupler assembly	
ominal input voltage U _N	120 V AC
	110 V DC
Input voltage range in reference to U_N	0.85 1.1
Typical input current at U _N	7 mA (50 Hz)



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	8 mA (60 Hz)
Switching threshold "0" signal in reference to \mathbf{U}_{N}	≤ 0.4
Typical response time	6 ms
Typical release time	10 ms
Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier; Bridge rectifier
	Filter; Filter

Output data

Compatible components	Miniature relay, REL-MR-60DC/21AU, REL-MR-60DC/21; miniature optocoupler, OPT-60DC/48DC/100, OPT-60DC/24DC/2, OPT-60DC/230AC/1
Maximum switching voltage	48 V DC
Minimum switching voltage	3 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	< 1 V
Output circuit	2-conductor, floating
Protective circuit	Reverse polarity protection
	Surge protection
Maximum switching voltage	30 V DC
Minimum switching voltage	3 V DC
Limiting continuous current	3 A
Voltage drop at max. limiting continuous current	< 200 mV
Maximum inrush current	15 A (10 ms)
Output circuit	2-conductor, floating
Protective circuit	Reverse polarity protection
	Surge protection
Maximum switching voltage	253 V AC (Partition plate PLC-ATP must be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal points in adjacent modules. Potential bridging is then carried out with FBST 8-PLC orFBST 500)
Minimum switching voltage	24 V AC
Limiting continuous current	0.75 A
Voltage drop at max. limiting continuous current	<1V
Maximum inrush current	30 A (10 ms)
Output circuit	2-conductor, floating
Protective circuit	RCV circuit
Leakage current	< 1 mA
Phase angle cos phi min	0.5
Max. load value	$4.5 A^2 s$

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.14 mm² 2.5 mm²



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Conductor cross section flexible	0.14 mm² 2.5 mm²
	0.2 mm ² 2.5 mm ² (Single ferrule)
	2x 0.5 mm² 1.5 mm² (TWIN ferrule)
Conductor cross section AWG	26 14
Tightening torque	0.6 Nm 0.8 Nm
Signaling	
Status display	LED
Dimensions	
Width	6.2 mm
Height	80 mm
Depth	94 mm
Naterial specifications	
Material specifications Flammability rating according to UL 94	V0 (Housing)
	V0 (Housing)
Flammability rating according to UL 94 Environmental and real-life conditions	V0 (Housing) -40 °C 55 °C
Flammability rating according to UL 94 Environmental and real-life conditions Ambient conditions	
Flammability rating according to UL 94 Environmental and real-life conditions Ambient conditions Ambient temperature (operation)	-40 °C 55 °C
Flammability rating according to UL 94 Environmental and real-life conditions Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport)	-40 °C 55 °C
Flammability rating according to UL 94 Environmental and real-life conditions Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport)	-40 °C 55 °C
Flammability rating according to UL 94 Environmental and real-life conditions Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) Approvals Corrosive gas test	-40 °C 55 °C -40 °C 85 °C
Flammability rating according to UL 94 Environmental and real-life conditions Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) Approvals Corrosive gas test	-40 °C 55 °C -40 °C 85 °C ISA-S71.04. G3 Harsh Group
Flammability rating according to UL 94 Environmental and real-life conditions Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) Approvals Corrosive gas test Identification	-40 °C 55 °C -40 °C 85 °C ISA-S71.04. G3 Harsh Group
Flammability rating according to UL 94 Environmental and real-life conditions Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) Approvals Corrosive gas test Identification	-40 °C 55 °C -40 °C 85 °C ISA-S71.04. G3 Harsh Group EN 60068-2-60



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Approvals

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EAC

Approval ID: RU D-DE.B*00573/18



DNV GL

Approval ID: TAE0000196

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Classifications

ECLASS

)L 100	
	ECLASS-11.0	27371603
	ECLASS-12.0	27371603
	ECLASS-13.0	27371603
ΕΊ	ТІМ	
	ETIM 8.0	EC001456
U	NSPSC	
	UNSPSC 21.0	39122300



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Environmental product compliance

REACh SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
China RoHS	Environmentally Friendly Use Period = 50 years

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