

2982786

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PLC-INTERFACE for output functions, consisting of PLC-BSC.../ACT basic terminal block with screw connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 24 V DC, output: 3 ... 33 V DC/5 A

Your advantages

· PLC actuator series with solid-state power relays for coupling the controller and actuators, such as motors, contactors, valves, etc.

Commercial data

Item number	2982786
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C462
Product key	CK6213
Catalog page	Page 378 (C-5-2019)
GTIN	4046356342841
Weight per piece (including packing)	71.75 g
Weight per piece (excluding packing)	67.818 g
Customs tariff number	85364190
Country of origin	DE



2982786

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Technical data

Product properties

Product type	Solid-state relay module
Product family	PLC-INTERFACE
Application	Output function
Operating mode	100% operating factor
Insulation characteristics	
Insulation	Basic insulation
Insulation characteristics: Standards/regulations	
Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Electrical properties

Maximum power dissipation for nominal condition	0.22 W
Test voltage (Input/output)	2.5 kV (50 Hz, 1 min., input/output)

Input data

Nominal input voltage U _N	24 V DC
Input voltage range in reference to \mathbf{U}_{N}	0.8 1.2
Input voltage range	19.2 V DC 28.8 V DC
Switching threshold "0" signal, voltage	< 10.7 V
Switching threshold "1" signal voltage	> 16.7 V
Typical input current at U _N	9 mA
Typical response time	20 μs
Typical turn-off time	400 μs
Operating voltage display	Yellow LED
Protective circuit	Reverse polarity protection; Polarity protection diode
	Freewheeling diode; Freewheeling diode
Transmission frequency	300 Hz

Output data

Contact switching type	1 N/O contact
Design of digital output	electronic
Output nominal voltage	24 V DC
Output voltage range	3 V DC 33 V DC
Limiting continuous current	5 A (see derating curve)
Maximum inrush current	15 A (10 ms)
Surge voltage protection	> 33 V DC
Voltage drop at max. limiting continuous current	≤ 200 mV
Output circuit	2-conductor, floating



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Screw connection	Protective circuit	Reverse polarity protection; Polarity protection diode
Stripping length 8 mm Screw thread M3 Conductor cross section rigid 0.14 mm² 2.5 mm² Conductor cross section flexible 0.14 mm² 2.5 mm² Conductor cross section AWG 26 14 Tightening torque 0.6 Nm 0.8 Nm Densions 14 mm Height 80 mm Depth 94 mm terial specifications 20 mm Color gray (RAL 7042) Flammability rating according to UL 94 V0 (Housing) Airronmental and real-life conditions 20 °C 60 °C Ambient temperature (storage/transport) -20 °C 60 °C Ambient temperature (storage/transport) -25 °C 70 °C corovals 74 Economiant ACC UKCA-compliant KCA TAE0000196 Certificate TAE0000196 Corrosive gas test Identification ISA-S71.04. G3 Harsh Group EN 60068-2-60 EN 60068-2-60		Surge protection
Stripping length 8 mm Screw thread M3 Conductor cross section rigid 0.14 mm² 2.5 mm² Conductor cross section flexible 0.14 mm² 2.5 mm² Conductor cross section AWG 26 14 Tightening torque 0.6 Nm 0.8 Nm Interview of the properties of the p	nnection data	
Screw thread	Connection method	Screw connection
Conductor cross section rigid 0.14 mm² 2.5 mm² Conductor cross section flexible 0.14 mm² 2.5 mm² (Single femule) 2x 0.5 mm² 1.5 mm² (TWIN femule) 2x 0.5 mm² 1.5 mm² (TWIN femule) Conductor cross section AWG 26 14 Tightening torque 0.6 Nm 0.8 Nm Penersions 14 mm Width 14 mm Height 80 mm Depth 94 mm terial specifications 20 or (RAL 7042) Vironmental and real-life conditions vironmental and real-life conditions Ambient temperature (operation) -20 °C 60 °C Ambient temperature (storage/transport) -25 °C 70 °C Orovals 25 °C 70 °C Certificate CE-compliant KCA UKCA-compliant Certificate TAE0000196 Corrosive gas test Identification ISA-S71.04. G3 Harsh Group EN 60068-2-60 EN 60068-2-60	Stripping length	8 mm
Conductor cross section flexible 0.14 mm² 2.5 mm² (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 Note of the properties of the p	Screw thread	M3
0.2 mm² 2.5 mm² (Single ferrule)	Conductor cross section rigid	0.14 mm² 2.5 mm²
2x 0.5 mm² 1.5 mm² (TWIN ferrule)	Conductor cross section flexible	0.14 mm² 2.5 mm²
Conductor cross section AWG		0.2 mm ² 2.5 mm ² (Single ferrule)
Tightening torque 0.6 Nm 0.8 Nm nensions Width 14 mm Height 80 mm Depth 94 mm terial specifications Color gray (RAL 7042) Flammability rating according to UL 94 V0 (Housing) Vironmental and real-life conditions Ambient temperature (operation) -20 °C 60 °C Ambient temperature (storage/transport) -25 °C 70 °C Torovals EC Certificate CE-compliant KCA Certificate UKCA-compliant KCA Certificate TAE0000196 Forosive gas test Identification ISA-S71.04. G3 Harsh Group EN 60068-2-60 INV GL data Temperature D		2x 0.5 mm ² 1.5 mm ² (TWIN ferrule)
rensions Width 14 mm Height 80 mm Depth 94 mm terial specifications Color gray (RAL 7042) Flammability rating according to UL 94 Vo (Housing) Vironmental and real-life conditions Imbient conditions Ambient temperature (operation) -20 °C 60 °C Ambient temperature (storage/transport) -25 °C 70 °C Provals E Certificate CE-compliant KCA Certificate UKCA-compliant Abipbuilding approval Certificate TAE0000196 Forosive gas test Identification ISA-S71.04, G3 Harsh Group EN 60068-2-60	Conductor cross section AWG	26 14
Width 14 mm Height 80 mm Depth 94 mm erial specifications Color gray (RAL 7042) Flammability rating according to UL 94 V0 (Housing) irronmental and real-life conditions mbient conditions Ambient temperature (operation) -20 °C 60 °C Ambient temperature (storage/transport) -25 °C 70 °C rovals E Certificate CE-compliant KCA Certificate UKCA-compliant Certificate TAE0000196 orrosive gas test Identification ISA-S71.04. G3 Harsh Group EN 60068-2-60 NV GL data Temperature Temperature D	Tightening torque	0.6 Nm 0.8 Nm
Height 94 mm terial specifications Color gray (RAL 7042) Flammability rating according to UL 94 V0 (Housing) Arriconmental and real-life conditions Ambient conditions Ambient temperature (operation) Ambient temperature (storage/transport) Corovals EE Certificate Certificate UKCA-compliant Certificate TAE0000196 TOTOSive gas test Identification ISA-S71.04. G3 Harsh Group EN 60068-2-60 INV GL data Temperature D	nensions	
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ISA-S71.04. G3 Harsh Group	Flammability rating according to UL 94 vironmental and real-life conditions mbient conditions Ambient temperature (operation) Ambient temperature (storage/transport) provals E Certificate KCA Certificate	V0 (Housing) -20 °C 60 °C -25 °C 70 °C CE-compliant
EN 60068-2-60 EN 60068-2-60 D Temperature D	Flammability rating according to UL 94 vironmental and real-life conditions mbient conditions Ambient temperature (operation) Ambient temperature (storage/transport) provals E Certificate KCA Certificate hipbuilding approval	V0 (Housing) -20 °C 60 °C -25 °C 70 °C CE-compliant UKCA-compliant
NV GL data Temperature D	Flammability rating according to UL 94 vironmental and real-life conditions mbient conditions Ambient temperature (operation) Ambient temperature (storage/transport) provals E Certificate KCA Certificate hipbuilding approval Certificate	V0 (Housing) -20 °C 60 °C -25 °C 70 °C CE-compliant UKCA-compliant
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Temperature D	Flammability rating according to UL 94 vironmental and real-life conditions mbient conditions Ambient temperature (operation) Ambient temperature (storage/transport) provals E Certificate KCA Certificate hipbuilding approval Certificate orrosive gas test	V0 (Housing) -20 °C 60 °C -25 °C 70 °C CE-compliant UKCA-compliant TAE0000196 ISA-S71.04. G3 Harsh Group
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Vibration	B/C
EMC	В
Enclosure	Required protection according to the Rules shall be provided upon installation on board

EMC data

Low Voltage Directive	Conformance with Low Voltage Directive
Electromagnetic compatibility	Conformance with EMC directive

Standards and regulations

Standards/regulations

	Standards/regulations	IEC 60947-5-1

Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	see to derating

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