

Extension module - PLC-V8C/SC-24DC/EM - 2903095

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PLC logic extension logic module with 16 I/Os for plug-in connection to 8 PLC-INTERFACE terminal blocks for extending the basic module (a maximum of two extension modules can be connected to a basic module), screw connection

Product Features



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	140.0 GRM
Custom tariff number	85389099
Country of origin	Germany

Technical data

Note

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

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 26.4 V DC
Maximum input current at U_N	65 mA
Protective circuit	Protection against polarity reversal
	Surge protection
Status display	Green LED

Input data (digital)

Number of inputs	8 (2 configurable as analog)
Description of the input	EN 61131-2, type 3
Input voltage	24 V DC

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Technical data

Input data (digital)

Signal level "0" signal	< 5 V
Signal level "1" signal	> 11 V
Input current "0" signal	< 1 mA
Input current "1" signal	typ. 2.5 mA
Status display	Yellow LED

Input data (analog)

Number of inputs	2 (IN6 and IN7 are configurable as analog)
Input voltage range	0 V ... 10 V
Input resistance	> 3.5 kΩ

Input data (PLC-INTERFACE)

Number of inputs	≤ 8
Description of the input	technical data depends on the PLC used
Input voltage	19 V DC
Typical current consumption	4 mA
Input resistance	< 100 mΩ

Output data

Number of outputs	≤ 8
Nominal output voltage	24 V DC
Nominal current	9 mA

General data

Color	green
Mounting position	any
Assembly instructions	Can be plugged onto 8 x PLC-INTERFACE
Operating mode	100% operating factor
Degree of protection	IP20

Standards/regulations

Designation	Air clearances and creepage distances between the power circuits
Standards/regulations	DIN EN 50178
Rated insulation voltage	50 V
Rated surge voltage	0.8 kV
Insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

Connection data (supply and digital inputs)

Connection name	COMBICON connection
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Technical data

Connection data (supply and digital inputs)

Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	1.5 mm ²
Min. AWG conductor cross section, stranded	28
Max. AWG conductor cross section, stranded	16
Conductor cross section AWG min.	28
Conductor cross section AWG max.	16
Screw thread	M2
Number of connections	1
Connection method	Screw connection
Number of positions	10
Stripping length	7 mm
Note	Device supply and 8 x inputs
Torque	0.22 Nm ... 0.25 Nm

Connection data (PLC V8C bus)

Connection name	PLC logic - bus
Number of connections	1
Number of positions	4

Ambient conditions

Ambient temperature (operation)	-20 °C ... 45 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Max. permissible relative humidity (operation)	95 %

Dimensions

Width	50 mm
Height	106 mm
Depth	87 mm

Classifications

eCl@ss

eCl@ss 4.0	27371102
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Classifications

eCl@ss

eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27242608
eCl@ss 7.0	27242608

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001417
ETIM 5.0	EC001417

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121421
UNSPSC 13.2	39121542

Approvals

Approvals


Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Listed 

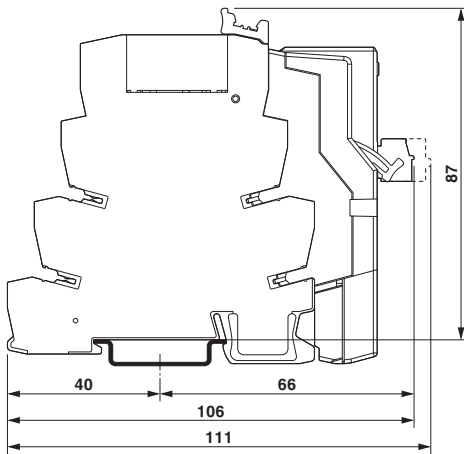
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Approvals

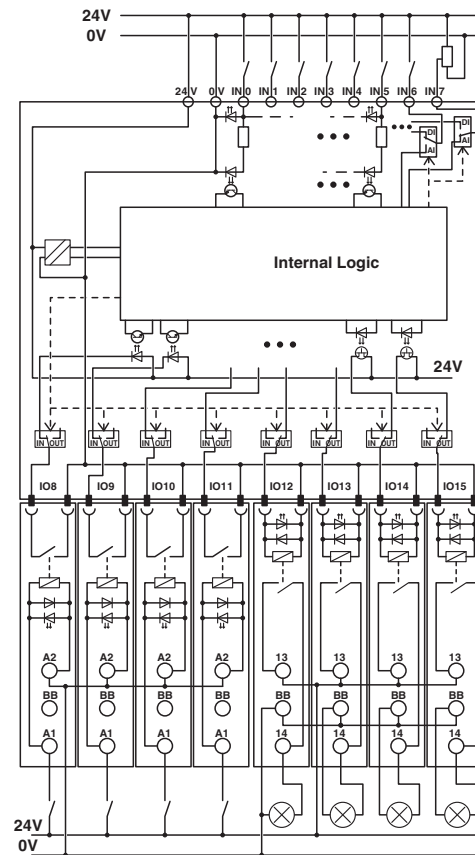


Drawings

Dimensional drawing

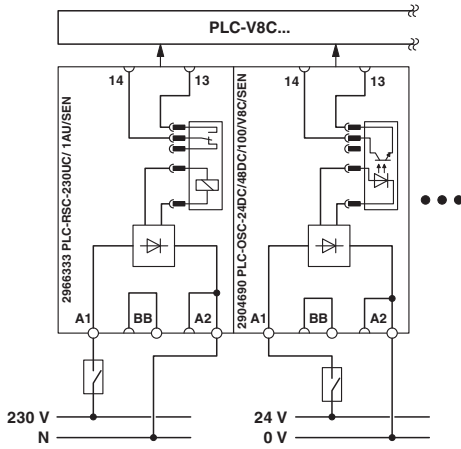


Circuit diagram

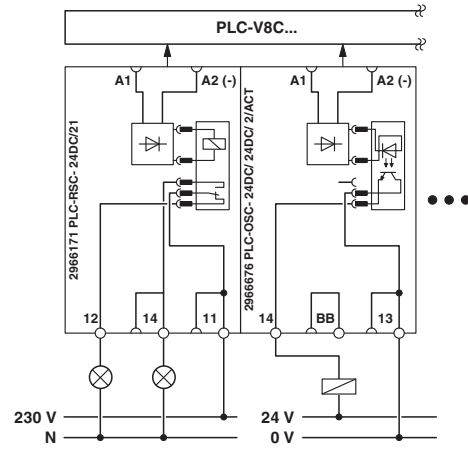


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Circuit diagram



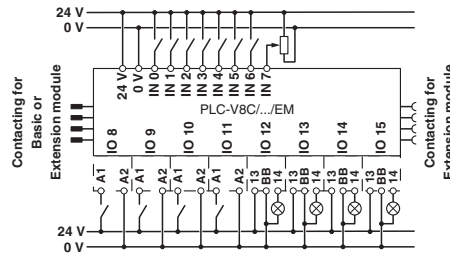
Circuit diagram



Basic circuit diagram: inputs via PLC-INTERFACE with the example of one input terminal block with relay (230 V AC) and one input terminal block with solid-state relay (24 V DC).

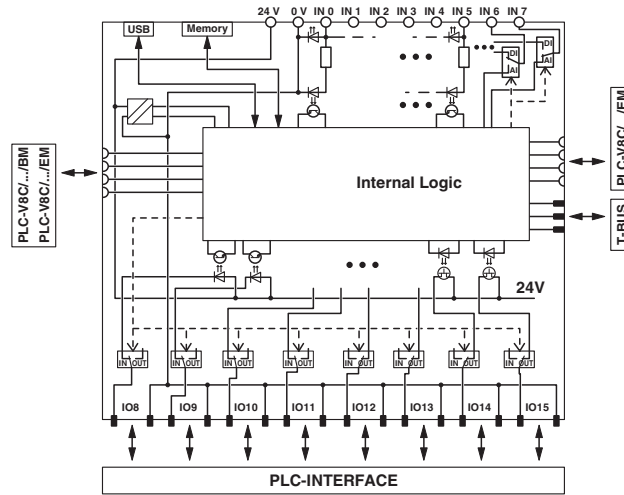
Basic circuit diagram: outputs via PLC-INTERFACE with the example of an output terminal block with relay, 1 PDT, and an output terminal block with solid-state relay.

Connection diagram



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Circuit diagram



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