

PLC-V8C/PT-24DC/SAM - Controller



2905136

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PLC logic stand-alone logic module, generation 1, with 16 I/Os, can be plugged onto 8 digital PLC-INTERFACE terminal blocks, cannot be extended, realtime clock, accommodates memory module and Bluetooth adapter (firmware update required, see downloads), Push-in connection

Commercial data

Item number	2905136
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CK2611
Catalog page	Page 454 (C-7-2015)
GTIN	4046356919470
Weight per piece (including packing)	130,32 g
Weight per piece (excluding packing)	79,04 g
Country of origin	DE

Technical data

Notes

General	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
Utilization restriction	
EMC note	EMC: class A product, see manufacturer's declaration in the download area

Product properties

Product type	Base unit
Product family	PLC logic
Set comprises	2906933 PLC-LOGIC-STARTERKIT2
Operating mode	100% operating factor

Insulation characteristics

Insulation	Basic insulation
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Insulation characteristics: Air clearances and creepage distances between the power circuits

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Electrical properties

Air clearances and creepage distances between the power circuits

Rated insulation voltage	50 V
Rated surge voltage	0.8 kV

Real-time clock

Realtime clock	Yes
Buffer period	24 h (Capacitor)
Accuracy realtime clock	±2 s/d

Supply

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 26.4 V DC
Maximum input current at U_N	120 mA
Protective circuit	Reverse polarity protection
	Surge protection

Input data

Digital inputs

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Number of inputs	8 (2 configurable as analog)
Description of the input	EN 61131-2, type 3
Input voltage	24 V DC
Signal level "0" signal	< 5 V
Signal level "1" signal	> 11 V
Input current "0" signal	< 1 mA
Input current "1" signal	2.5 mA
Status display	Yellow LED

Analog inputs

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

Contact to PLC-INTERFACE

Number of inputs	≤ 8
Description of the input	technical data depends on the PLC-INTERFACE terminal block 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

Connection data

COMBICON connection

Connection method	Push-in connection
Stripping length	9 mm
Number of connections	1
Number of positions	10
Note	Device supply and 8 x inputs
Conductor cross section rigid	0.14 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
	0.25 mm ² ... 0.5 mm ² (Ferrule with plastic sleeve)
	0.25 mm ² ... 1.5 mm ² (Ferrules without plastic sleeve)
Conductor cross section AWG	26 ... 16

Programming connection

Connection method	Micro USB type B
Number of connections	1

Memory

Connection method	S-PORT (socket)
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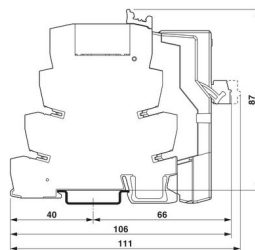
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Number of connections	1
Number of positions	12
Note	For connecting the memory module

Signaling

Status display	Green LED
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Dimensions

Dimensional drawing	
Width	50 mm
Height	48.5 mm
	111 mm (with relay)
Depth	82.5 mm
	87 mm (with relay)

Material specifications

Color	green (RAL 6021)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 45 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Max. permissible relative humidity (operation)	95 %

Approvals

CE

Certificate	CE-compliant
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Standards and regulations

Air clearances and creepage distances between the power circuits

Standards/regulations	DIN EN 50178
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Mounting

Mounting type	Plug-in mounting
Assembly instructions	can be plugged onto 8 x PLC-INTERFACE terminal blocks

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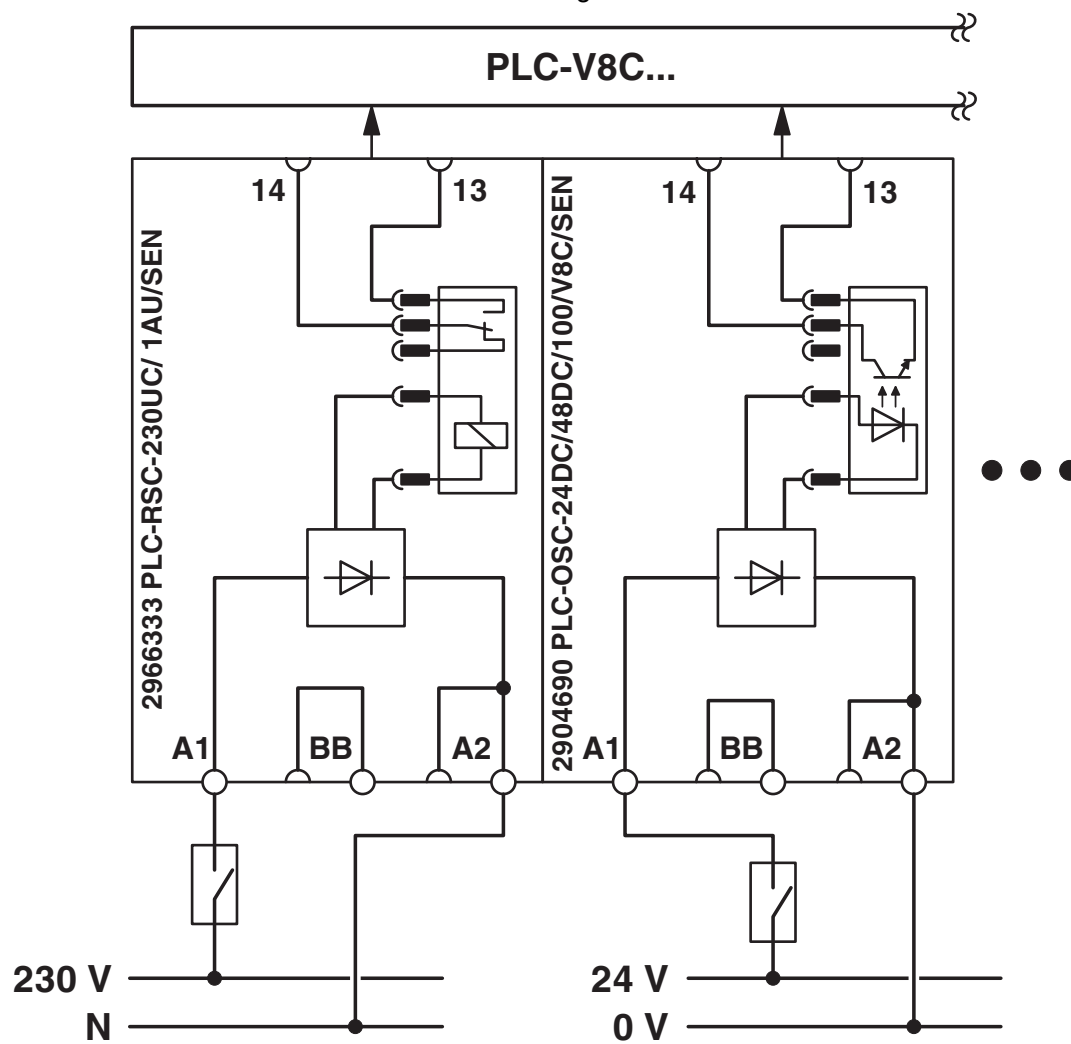
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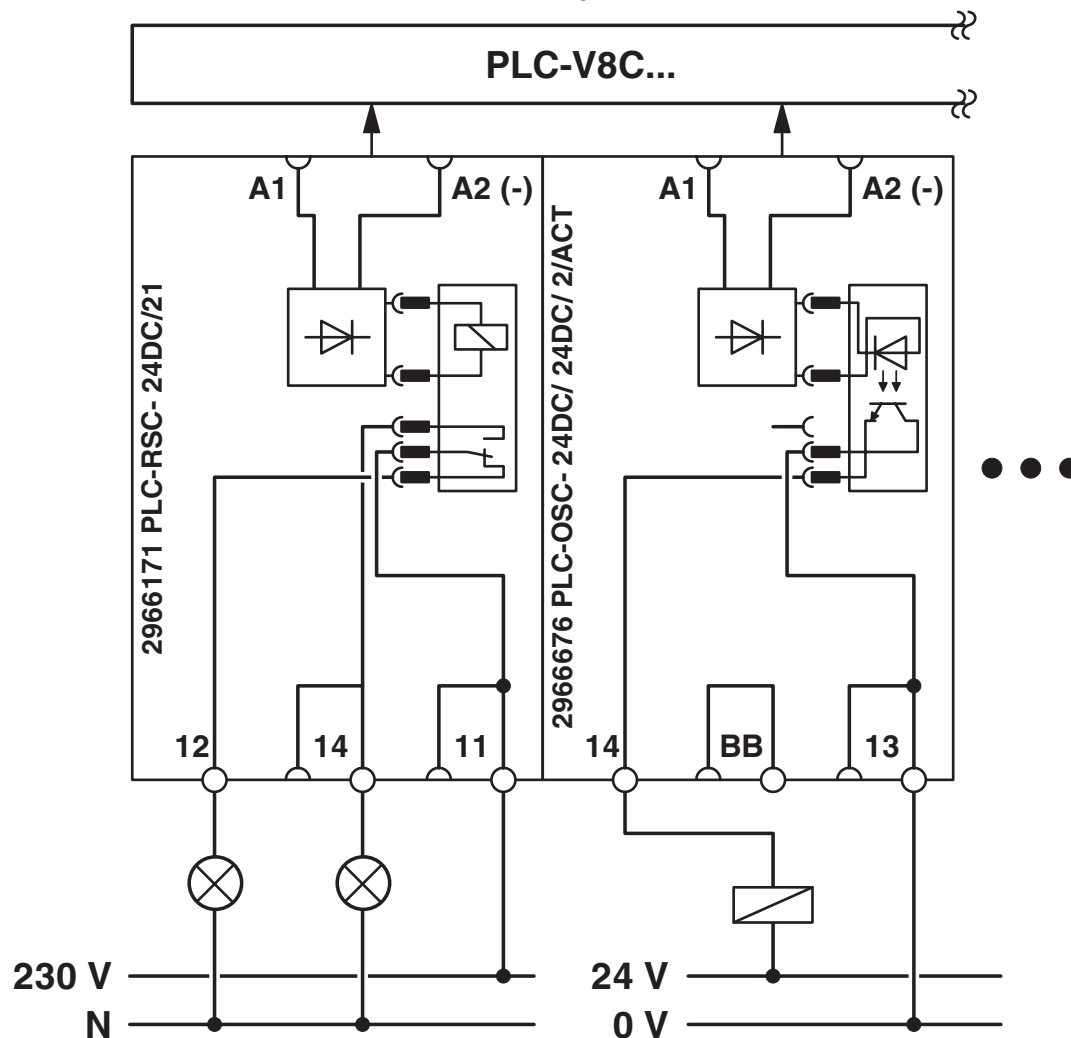
Mounting position	any
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Drawings

Circuit diagram



Circuit diagram



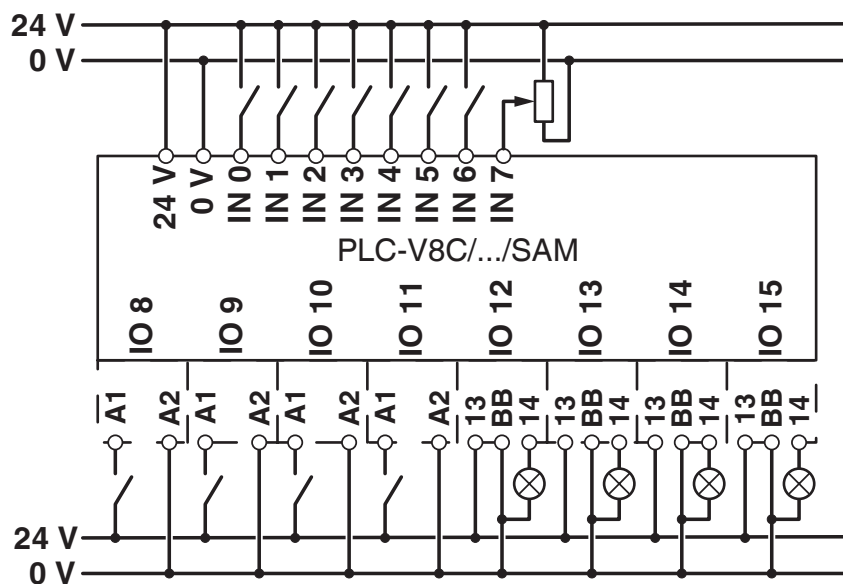
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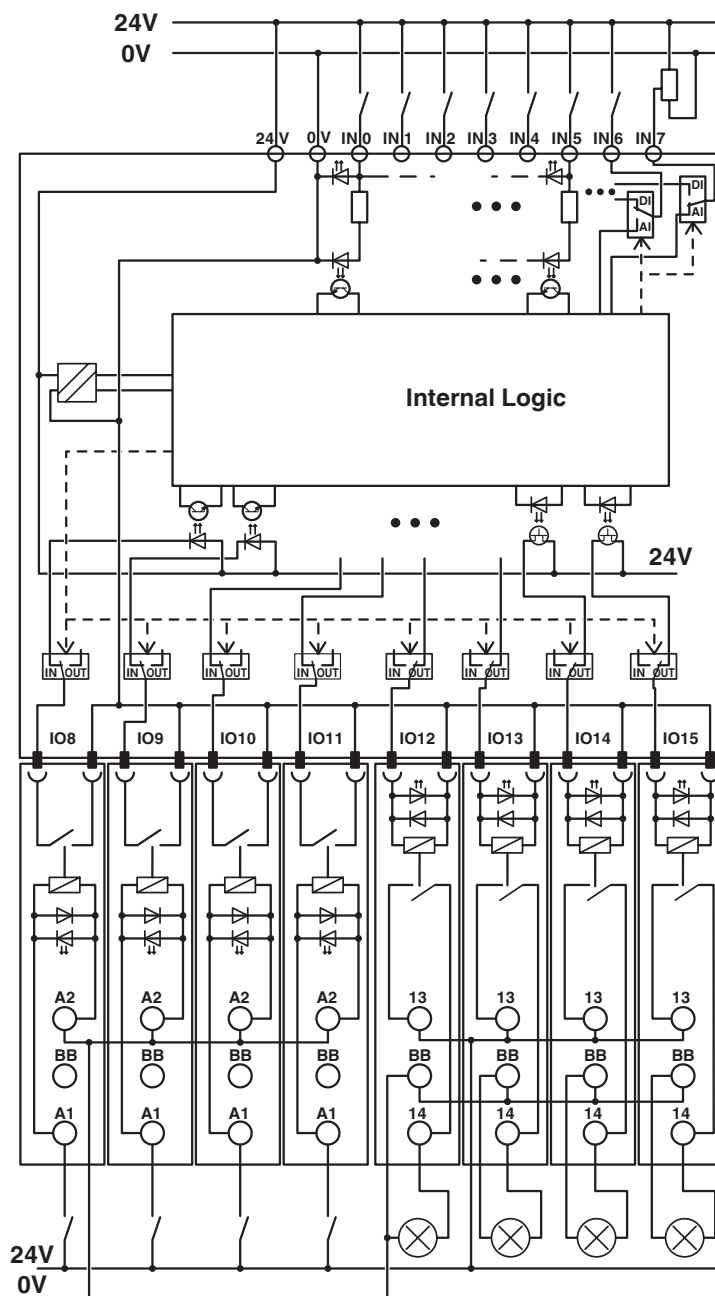
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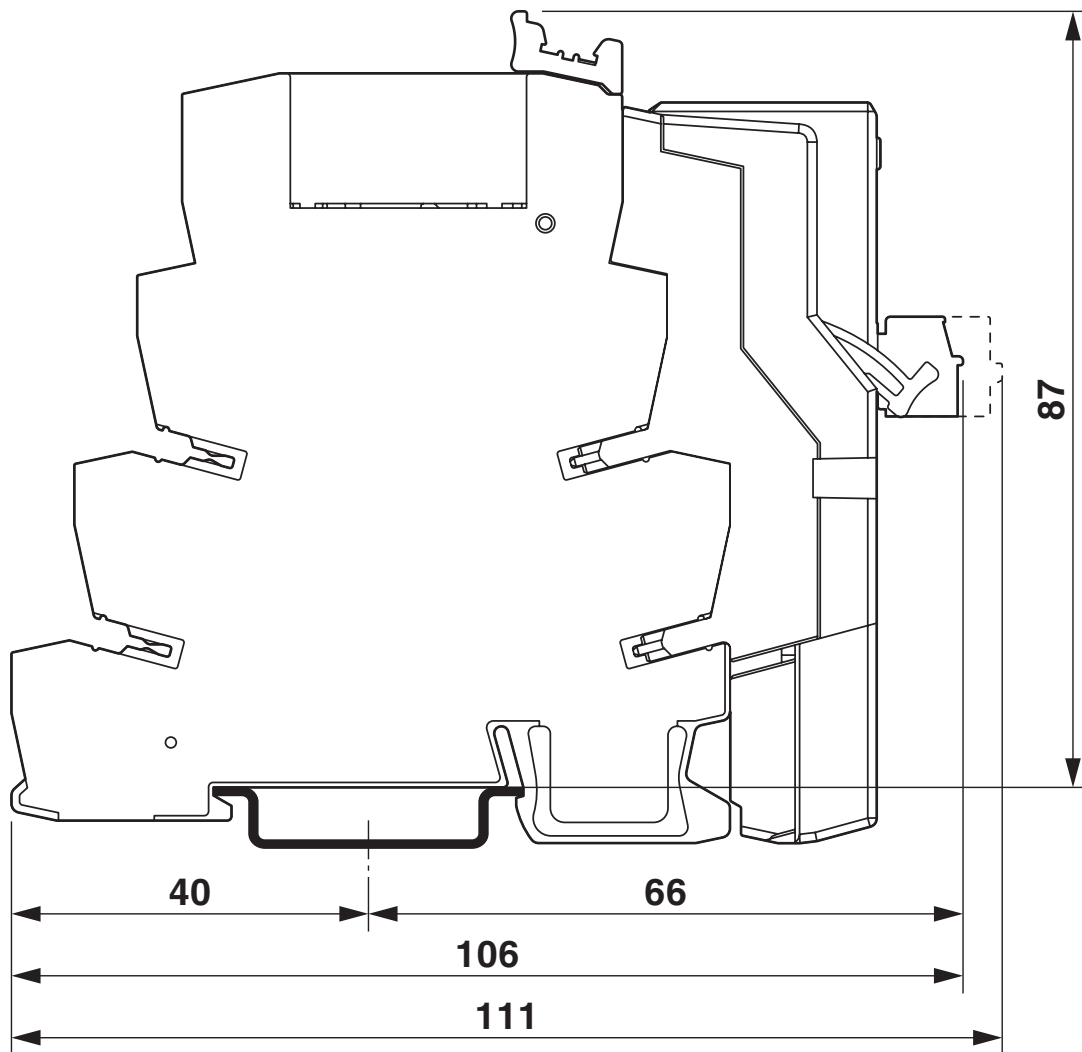
Connection diagram



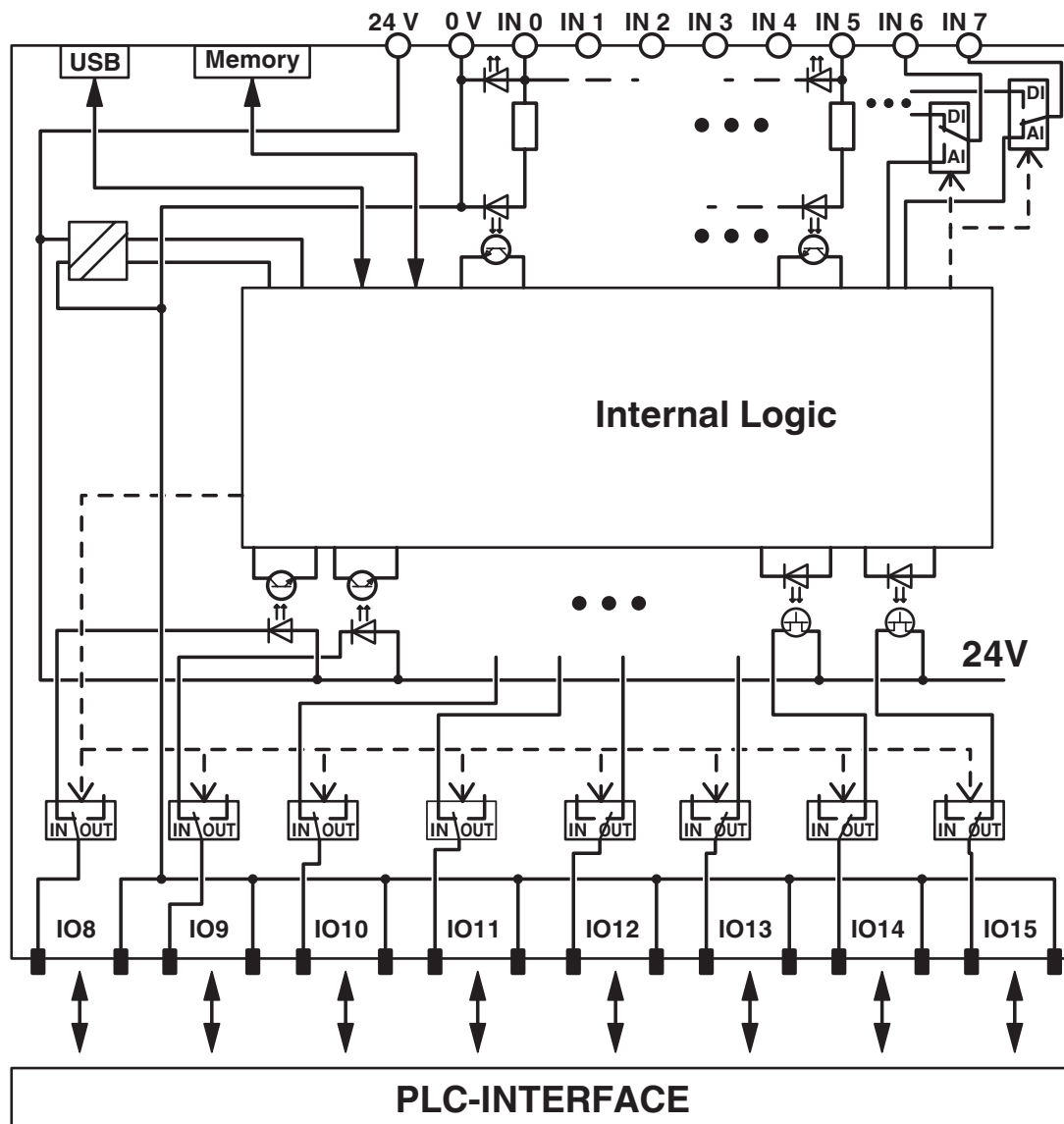
Circuit diagram



Dimensional drawing



Circuit diagram



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Classifications

ECLASS

ECLASS-11.0	27242216
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Environmental product compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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