

# Relay Module - PLC-RSC-120UC/ 1/SEN - 2966249

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PLC sensor relay, consisting of base terminal block PLC-BSC...SEN with screw connection and pluggable miniature relay with power contact, for assembly on DIN rail NS 35/7.5, 1 N/O contact, input voltage 120 V AC / 110 V DC



## Key commercial data

package_quantity	10
GTIN	4017918130954

## Technical data

Note:

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

Width	6.2 mm
Height	80 mm
Depth	94 mm

## Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

## Coil side

Nominal input voltage $U_N$	120 V AC/DC
Nominal input voltage $U_N$	110 V DC
Nominal input voltage $U_N$	120 V AC/DC
Nominal input current at $U_N$	3.5 mA
Typical response time	6 ms
Typical release time	15 ms
Operating voltage display	Yes
Protective circuit	Bridge rectifier

## Contact side

Contact type	1 N/O contact
Contact material	AgSnO

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## Technical data

### Contact side

<b>Maximum switching voltage</b>	250 V AC/DC (The separating plate PLC-ATP should be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules. Potential bridging is then carried out with FBST 8-PLC... or ...FBST 500...)
<b>Minimum switching voltage</b>	12 V AC/DC
<b>Maximum inrush current</b>	(on request)
<b>Min. switching current</b>	10 mA
<b>Limiting continuous current</b>	6 A
<b>Interrupting rating (ohmic load) max.</b>	140 W (at 24 V DC)
<b>Interrupting rating (ohmic load) max.</b>	20 W (at 48 V DC)
<b>Interrupting rating (ohmic load) max.</b>	18 W (at 60 V DC)
<b>Interrupting rating (ohmic load) max.</b>	23 W (at 110 V DC)
<b>Interrupting rating (ohmic load) max.</b>	40 W (at 220 V DC)
<b>Interrupting rating (ohmic load) max.</b>	1500 VA (for 250 V AC)

### General

<b>Test voltage relay winding/relay contact</b>	4 kV AC (50 Hz, 1 min.)
<b>Operating mode</b>	100% operating factor
<b>Mechanical service life</b>	2 x 10 <sup>7</sup> cycles
<b>Inflammability class according to UL 94</b>	V0
<b>Name</b>	Standards/regulations
<b>Standards/regulations</b>	IEC 60664
<b>Standards/regulations</b>	IEC 60664 A
<b>Standards/regulations</b>	DIN VDE 0110
<b>Standards/regulations</b>	DIN EN 50178/DIN VDE 0160 (in relevant parts)
<b>Standards/regulations</b>	DIN EN 50178/VDE 0160
<b>Standards/regulations</b>	IEC 60255/DIN VDE 0435 (in relevant parts)
<b>Pollution degree</b>	3
<b>Surge voltage category</b>	III
<b>Mounting position</b>	Any
<b>Assembly instructions</b>	In rows with zero spacing

### Connection data

<b>Connection method</b>	Screw connection
<b>Conductor cross section solid min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section stranded min.</b>	0.14 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	26
<b>Conductor cross section AWG/kcmil max</b>	14
<b>Stripping length</b>	8 mm
<b>Screw thread</b>	M3

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## classifications

### eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

### ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515


## approvals


UL Recognized / UL Listed / cUL Recognized / cUL Listed / GL / cULus Recognized / cULus Listed /

### Approval details

UL Recognized 

UL Listed 


cUL Recognized 

cUL Listed 

## Relay Module - PLC-RSC-120UC/ 1/SEN - 2966249

approvals

GL

cULus Recognized 

cULus Listed 

accessories

### Mounting rail

NS 35/ 7,5 V2A UNPERF 2000MM - 0801377



NS 35/ 7,5 PERF 2000MM - 0801733



NS 35/ 7,5 CU UNPERF 2000MM - 0801762



NS 35/15 UNPERF 2000MM - 1201714



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### accessories

NS 35/15 CU UNPERF 2000MM - 1201895



NS 35/15-2,3 UNPERF 2000MM - 1201798



NS 35/15 AL UNPERF 2000MM - 1201756



NS 35/15 PERF 2000MM - 1201730



NS 35/ 7,5 UNPERF 2000MM - 0801681



### Power module

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### accessories

PLC-ESK GY - 2966508



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### Partition plate

PLC-ATP BK - 2966841



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### Screwdriver tools

SZF 1-0,6X3,5 - 1204517



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### Terminal marking

ZB 6:UNBEDRUCKT - 1051003



ZB 6/WH-100:UNBEDRUCKT - 5060935



## Relay Module - PLC-RSC-120UC/ 1/SEN - 2966249

accessories

### Labeled terminal marker

ZB 6,LGS:FORTL.ZAHLEN - 1051016



### Bridge

FBST 500-PLC RD - 2966786



FBST 500-PLC BU - 2966692



FBST 500-PLC GY - 2966838



FBST 6-PLC RD - 2966236



## Relay Module - PLC-RSC-120UC/ 1/SEN - 2966249

### accessories

FBST 6-PLC BU - 2966812



FBST 6-PLC GY - 2966825



FBST 8-PLC GY - 2967688



FBST 14-PLC BK - 2967691



### Drawings



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Circuit diagram

