

## Data sheet

Commercial Art.No.: R1.190.1210.0

Configurable control component SP-COP2-EN-A DC 24V

samosPRO-Compact module, 16 safe inputs, 4 safe outputs, 4 configurable safe I/O, USB-Interface, Ethernet, Pluggable screw-terminals



|                    |               |
|--------------------|---------------|
| Commercial Art.No. | R1.190.1210.0 |
| EAN                | 4049088257766 |
| Order Unit         | 1             |

Certificates / Approvals



## Technical data

### General

|   |        |
|---|--------|
| Suited for safety functions                 | Yes    |
| Number of HW-interfaces industrial Ethernet | 1      |
| Number of HW-interfaces USB                 | 1      |
| Supporting protocol for EtherNet/IP         | No     |
| Supporting MODBUS protocol                  | No     |
| Supporting protocol for PROFINET IO         | No     |
| Supporting TCP/IP protocol                  | Yes    |
| SIL according to IEC 61508                  | 3      |
| Type of data transmission                   | Serial |
| Networkability                              | No     |
| Erweiterbar                                 | Yes    |
| Programmable                                | Yes    |
| In-/outputs configurable                    | Yes    |

### Connection Data

|                             |                  |
|-----------------------------|------------------|
| Type of electric connection | screw connection |
| Detachable clamps           | Yes              |

### Application

|  |     |
|--|-----|
| With automatic closing                               | Yes |
| Function contactless working protection installation | Yes |
| Function operating mode selection                    | Yes |

|                               |     |
|-------------------------------|-----|
| Function emergency stop       | Yes |
| Function contactor monitoring | Yes |
| Function restart blockage     | Yes |
| Function acces control        | Yes |
| Function affirm pushbutton    | Yes |
| Function 2-hand switching     | Yes |
| On delay timer                | Yes |
| Off delay timer               | Yes |

#### Output circuit

|                                       |            |
|---------------------------------------|------------|
| Number of outputs                     | 8          |
| Output current                        | 4 A        |
| Short-circuit protection, outputs     | Yes        |
| Type of digital output                | Transistor |
| Min. allowed output voltage           | 16.2 V     |
| Max. allowed output voltage           | 30 V       |
| Number of digital outputs, integrated | 8          |

#### Control circuit

|                                    |        |
|------------------------------------|--------|
| Min. rated DC voltage for controls | 15.6 V |
| Max. rated DC voltage for controls | 30 V   |
| Number of inputs                   | 16     |
| Input current with signal 1        | 2.3 mA |
| Permitted voltage at input         | 30 V   |

#### Supply circuit

|                     |        |
|---------------------|--------|
| Min. supply voltage | 16.8 V |
| Max. supply voltage | 30 V   |

#### Dimensions

|        |        |
|--------|--------|
| Depth  | 115 mm |
| Width  | 45 mm  |
| Height | 96 mm  |

#### Classification

|            |          |
|------------|----------|
| ECLASS 11  |          |
| ECLASS 8.1 | 27243101 |
| ETIM 7.0   | EC002538 |
| ETIM 6.0   | EC002538 |
| ETIM 5.0   | EC002538 |
| ETIM 4.0   | EC002538 |

#### Safety parameters

|                               |         |
|-------------------------------|---------|
| Category (ISO 13849-1)        | 4       |
| PL (ISO 13849-1)              | Level e |
| SIL <sub>CL</sub> (IEC 62061) | 3       |
| HFT                           | 1       |
| T <sub>M</sub>                | 20 a    |

|      |   |
|------|---|
| Note | More safety characteristics can be found in the manual. |
|------|---|

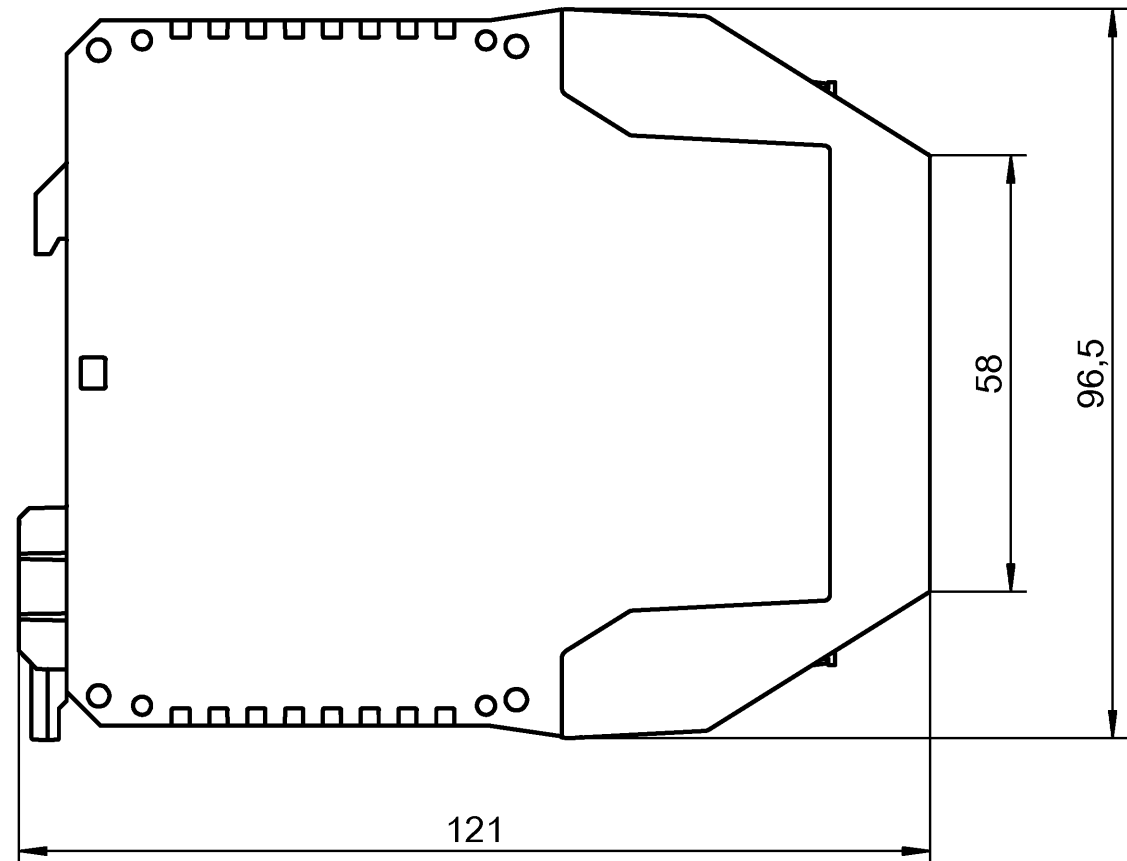
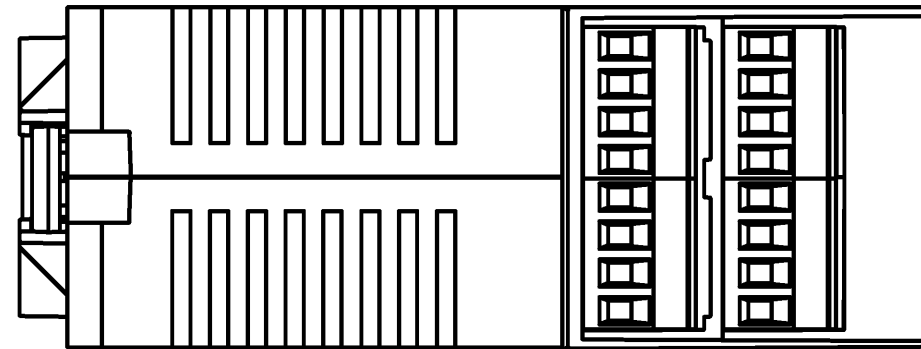
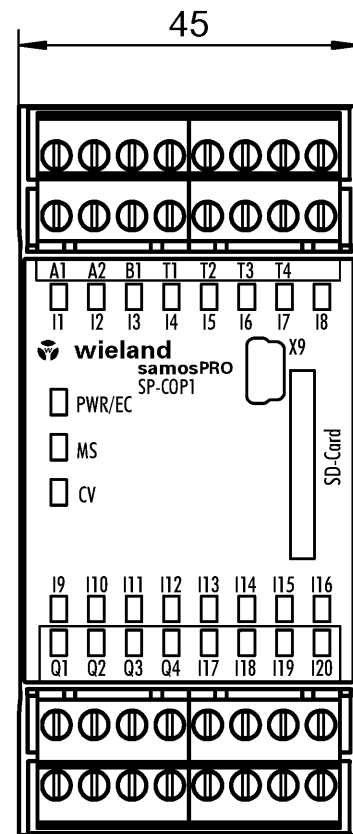
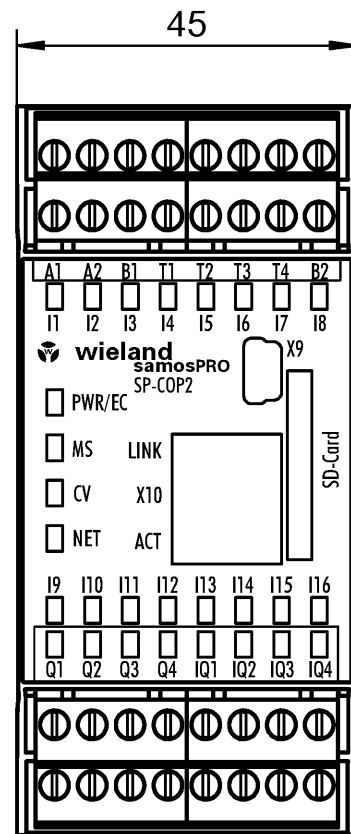
#### Product compliance

|                              |                    |
|------------------------------|--------------------|
| ROHS conformity status       | Compliant/Exempted |
| ROHS exceptions              | III-6(c)           |
| REACH-SVHC conformity status | Duty-To-Declare    |
| REACH-SVHC substances        | Lead               |
| REACH-SVHC CAS numbers       | 7439-92-1          |

#### Accessories

| Commercial Art.No.: | Article-type description:                  | Description:   |
|---------------------|--|--|
| R1.190.1000.0       | samosPRO samosPRO-Speicherkarte für SP-COP | samosPRO-Memory card for SP-COP  |
| 99.208.9999.9       | PCB connector SAFETY SCHRAUBKL.SET         |  |
| 99.209.9999.9       | Safety plug set push in SAFETY PUSH IN SET |  |
| R1.190.1010.0       | samosPRO SP-CABLE-USB1                     | samosPRO-USB cable for SP-COP, 1,8 m   |
| R1.190.1020.0       | samosPRO SP-CABLE-ETH1                     | samosPRO-Ethernet cable for SP-COP, 2 m  |
| R1.190.1040.0       | Coverage SP-COP Abdeckung                  | Cover SD-card for modules SP-COP   |
| 56.202.8055.0       | Initiator terminal WTP 1,5 I/O-3           | Initiator terminal with push in connection for mounting on TS 35,nominal cross section: 1,5 mm <sup>2</sup> ,Width: 3,5 mm,Color: grey |

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| Teile-Nr. / Part-No. | Typ / Type      |
|----------------------|-----------------|
| R1.190.1110.0        | SP-COP1-A       |
| R1.190.1130.0        | SP-COP1-P-A     |
| Ⓟ R1.190.1150.0      | SP-COP1-M-A     |
| R1.190.1210.0        | SP-COP2-EN-A    |
| R1.190.1230.0        | SP-COP2-EN-P-A  |
| Ⓟ R1.190.1250.0      | SP-COP2-EN-M-A  |
| R1.190.1310.0        | SP-COP2-ENI-A   |
| R1.190.1330.0        | SP-COP2-ENI-P-A |
| Ⓟ R1.190.1350.0      | SP-COP2-ENI-M-A |

|   |   |  |   |
|---|---|--|---|
| Weitere Angaben siehe KATALOG oder eKatalog.<br>Additional data see CATALOG or eCatalog.  |   | www.wieland-electric.com<br>eshop.wieland-electric.com                                   |   |
| ja/yes <input checked="" type="checkbox"/> Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.<br>Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared! |   |  |   |
| Freitoleranz nach<br>General tolerance  | CAD-Zeichnung, keine manuellen Änderungen<br>CAD drawing, no manual modifications allowed | 1. Verwendung:<br>First Use:   | Blatt:<br>Sheet:  |
|   | Werkstoff / Material  | 2015<br>gezeichnet<br>drawn<br>27.01.<br>geprüft<br>checked<br>Normgepr.<br>Stand. check | Name<br>Koetzner  |
|   | Maßstab/Scale   | Zeichnung Nr. / Drawing No.<br><b>T R1.190.1110.0 /01K</b>                               |   |
|   | Maße in mm / Dimensions are in mm   |  |   |
|   | Datei / File: 04158_B/R1.190.1110.0_01K.DCD   | Ersatz für / Replacement for:  |   |
| Ⓟ 04.11.20  | Ⓟ 19.07.16  | Type   | Benennung / Title<br>Teilespezifikation /<br>Component specification<br><b>Schraubsteckblockklemme<br/>samosPRO SP-COP1/2</b> |
| Index   | Datum / Blatt<br>Date / Sheet   | www.wieland<br>www.wieland-electric.com  |   |
| Änderung / Revision   |   |  |   |

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