

2906230

<https://www.phoenixcontact.com/us/products/2906230>

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Universally configurable 4-way signal conditioner, with switching output and plug-in connection technology for the electrical isolation of analog signals. Configurable via DIP switch or software. Push-in connection technology, order configuration.

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2906230       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | C444          |
| Product key                          | CK4A12        |
| GTIN                                 | 4055626048130 |
| Weight per piece (including packing) | 117.6 g       |
| Weight per piece (excluding packing) | 98 g          |
| Customs tariff number                | 85437090      |
| Country of origin                    | DE            |

## Technical data

### Product properties

|                        |                    |
|------------------------|--------------------|
| Product type           | Signal conditioner |
| Data management status |                    |
| Article revision       | 03                 |

### Electrical properties

#### General

|                |   |
|----------------|---|
| Accuracy class | 1 |
|----------------|---|

### Input data

#### Signal

|                         |                 |
|-------------------------|-----------------|
| Input signal (at 50 Hz) | 100 mV (1000 A) |
|-------------------------|-----------------|

#### Measurement

|                  |   |
|------------------|---|
| Number of inputs | 1 |
|------------------|---|

#### Current transformer

|                                |        |
|--------------------------------|--------|
| Primary rated current $I_{pn}$ | 4000 A |
| Accuracy class                 | 1      |

### Output data

#### Signal

|                                 |                                          |
|---------------------------------|------------------------------------------|
| Configurable/programmable       | Yes                                      |
| Voltage output signal           | 0 V ... 10 V (via DIP switch)            |
|                                 | 2 V ... 10 V (via DIP switch)            |
|                                 | 0 V ... 5 V (via DIP switch)             |
|                                 | 1 V ... 5 V (via DIP switch)             |
|                                 | 0 V ... 10.5 V (can be set via software) |
| Max. voltage output signal      | approx. 12.3 V                           |
| Current output signal           | 0 mA ... 20 mA (via DIP switch)          |
|                                 | 4 mA ... 20 mA (via DIP switch)          |
|                                 | 0 mA ... 10 mA (via DIP switch)          |
|                                 | 2 mA ... 10 mA (via DIP switch)          |
|                                 | 0 mA ... 21 mA (can be set via software) |
| Max. current output signal      | 24.6 mA                                  |
| Load/output load voltage output | $\geq 10 \text{ k}\Omega$                |
| Load/output load current output | $\leq 600 \text{ }\Omega$ (20 mA)        |
| Ripple                          | $< 20 \text{ mV}_{PP}$                   |
|                                 | $< 20 \text{ mV}_{PP}$                   |

### Connection data

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|                   |                    |
|-------------------|--------------------|
| Connection method | Push-in connection |
| Stripping length  | 10 mm              |

## Measuring transducer side

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Connection method                | Push-in connection                          |
| Stripping length                 | 10 mm                                       |
| Screw thread                     | M3                                          |
| Conductor cross section rigid    | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section flexible | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section AWG      | 26 ... 12                                   |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
|---------------------------------|------------------|

## Approvals

### UKCA

|             |                |
|-------------|----------------|
| Certificate | UKCA-compliant |
|-------------|----------------|

### CMIM

|             |                |
|-------------|----------------|
| Certificate | CMIM-compliant |
|-------------|----------------|

## Mounting

|               |                   |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

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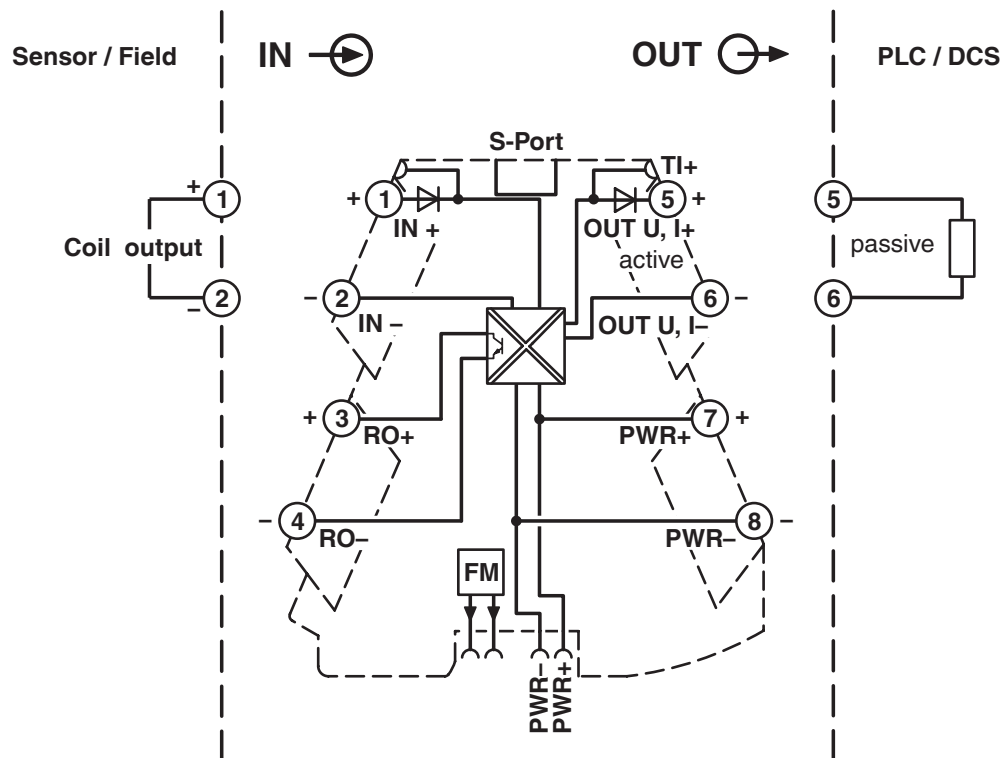


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## Drawings

Block diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2906230>



**EAC**  
Approval ID: RU\*DE\*08.B.01187/19



**UL Listed**  
Approval ID: E123528



**cUL Listed**  
Approval ID: E123528

**cULus Listed**

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27210120 |
| ECLASS-12.0 | 27210120 |
| ECLASS-13.0 | 27210120 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002653 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121000 |
|-------------|----------|

Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Yes                                                                                                                                                                                                                               |
| Exemption                               | 7(a), 7(c)-I                                                                                                                                                                                                                      |
| China RoHS                              |                                                                                                                                                                                                                                   |
| Environment friendly use period (EFUP)  | EFUP-50                                                                                                                                                                                                                           |
|                                         | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC                           |                                                                                                                                                                                                                                   |
| REACH candidate substance (CAS No.)     | Lead(CAS: 7439-92-1)                                                                                                                                                                                                              |
|                                         | 2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)                                                                                                                                                                    |
| SCIP                                    | 6db40315-f913-41b2-b157-87c89c89c3f9                                                                                                                                                                                              |