

PACT RCP-4000A-UIRO - Signal conditioner



2906229

<https://www.phoenixcontact.com/us/products/2906229>

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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. Screw connection technology, standard configuration.

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2906229 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C444 |
| Product key | CMMA12 |
| GTIN | 4055626047997 |
| Weight per piece (including packing) | 110.5 g |
| Weight per piece (excluding packing) | 110.5 g |
| Customs tariff number | 85437090 |
| Country of origin | DE |

Technical data

Product properties

| | |
|----------------|--------------------------|
| Product type | Signal conditioner |
| Product family | 4-way signal conditioner |

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 |

Measurement

| | |
|----------------------------|---|
| Maximum transmission error | $\leq 0.5\%$ (From the range end value) |
|----------------------------|---|

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 | $\leq 600\ \Omega$ (20 mA) |
| Ripple | $< 20\text{ mV}_{PP}$ |
| | $< 20\text{ mV}_{PP}$ |

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Connection data

| | |
|-------------------|------------------|
| Connection method | Screw connection |
| Stripping length | 10 mm |

Measuring transducer side

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Stripping length | 10 mm |
| Screw thread | M3 |
| Conductor cross-section rigid | 0.2 mm ² ... 1.5 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 1.5 mm ² |
| Conductor cross-section AWG | 26 ... 16 |

Material specifications

| | |
|------------------|-----|
| Housing material | PBT |
|------------------|-----|

Environmental and real-life conditions

Ambient conditions

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

Approvals

CMIM

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

EMC data

Electromagnetic HF field

| | |
|-----------------|-------------------|
| Frequency range | 16 Hz ... 1000 Hz |
|-----------------|-------------------|

Mounting

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

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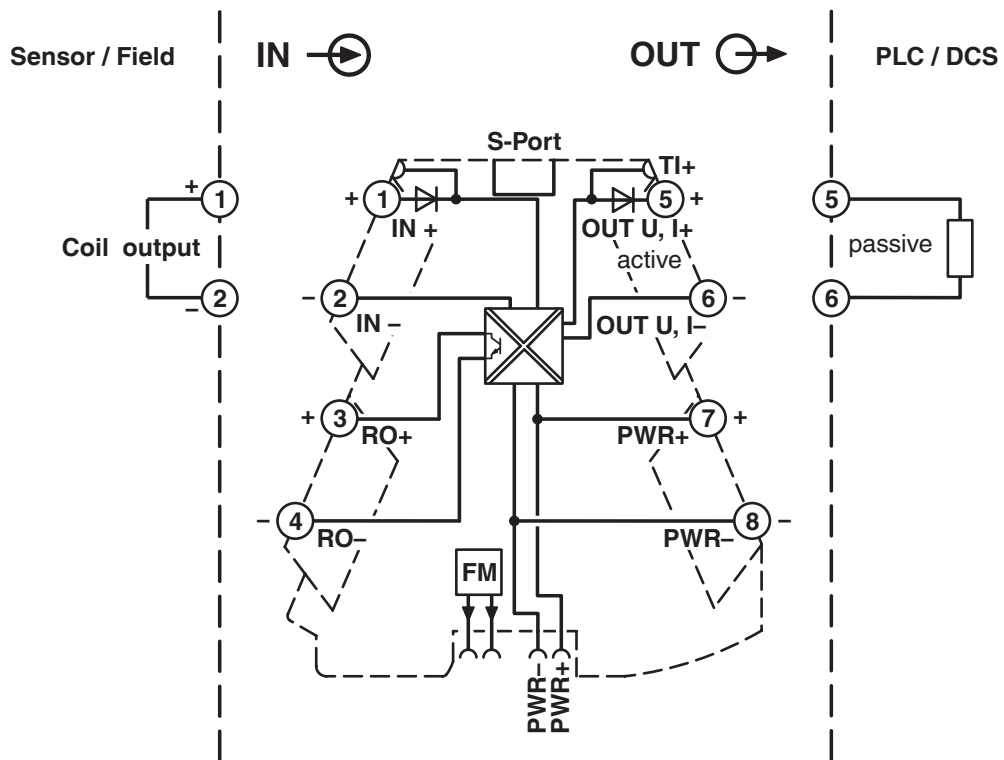


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Drawings

Block diagram



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Approvals

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EAC

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



UL Listed

Approval ID: E123528



cUL Listed

Approval ID: E123528



cUL Listed

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UL Listed

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27210120 |
| ECLASS-15.0 | 27210120 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002653 |
|-----------|----------|

UNSPSC

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

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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 | 7b8669ea-ebc4-419d-b33e-242d6ee496e4 |

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