

# GW PL HART8-BUS - Protocol converter



2702235

<https://www.phoenixcontact.com/nl/products/2702235>

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Eight-channel HART® expansion module, with screw connection

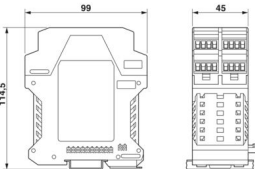


## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2702235       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DNC322        |
| Product key                          | DNC322        |
| GTIN                                 | 4055626067063 |
| Weight per piece (including packing) | 322,2 g       |
| Weight per piece (excluding packing) | 310 g         |
| Customs tariff number                | 85176200      |
| Country of origin                    | DE            |

## Technical data

### Dimensions

|                     |  |                                                                                    |
|---------------------|--|------------------------------------------------------------------------------------|
| Dimensional drawing |  |  |
| Width               |  | 45 mm                                                                              |
| Height              |  | 99 mm                                                                              |
| Depth               |  | 114.5 mm                                                                           |

### Notes

#### Note on application

|                     |                         |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

#### Utilization restriction

|            |                                                               |
|------------|---------------------------------------------------------------|
| CCCex note | Use in potentially explosive areas is not permitted in China. |
|------------|---------------------------------------------------------------|

### Material specifications

|       |      |
|-------|------|
| Color | gray |
|-------|------|

### Interfaces

#### Data: HART FSK

|                    |                  |
|--------------------|------------------|
| Transmission speed | 1200 bps         |
| Connection method  | Screw connection |
| No. of channels    | 8                |

### Product properties

|      |                                                                                            |
|------|--------------------------------------------------------------------------------------------|
| MTBF | 294 Years (Siemens model SN29500, temperature 40°C, env. factor 1.5 and stress factor 50%) |
|------|--------------------------------------------------------------------------------------------|

### Electrical properties

|                                          |          |
|------------------------------------------|----------|
| Test voltage data interface/power supply | 500 V AC |
| Test voltage data interfaces             | 500 V AC |

#### Supply

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Supply voltage range        | 19.2 V DC ... 30 V DC (supplied from the bus) |
| Typical current consumption | 46 mA (at 24 V DC)                            |

### Environmental and real-life conditions

#### Ambient conditions

|                                         |                   |
|-----------------------------------------|-------------------|
| Degree of protection                    | IP20              |
| Ambient temperature (operation)         | -40 °C ... 70 °C  |
|                                         | -40 °F ... 158 °F |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C  |

## Approvals

### Conformity/Approvals

|                  |                                  |
|------------------|----------------------------------|
| Conformance      | CE-compliant                     |
| Noxious gas test | ISA-S71.04-1985 G3 Harsh Group A |

### Ex data

|                  |                                              |
|------------------|----------------------------------------------|
| ATEX             | ⊕ II 3 G Ex nA IIC T4 Gc DEMKO 17 ATEX 1749X |
| IECEX            | IECEX ULD 17.0020X Ex nA IIC T4 Gc           |
| UL, USA / Canada | Class I, Div. 2, Groups A, B, C, D           |

## Mounting

|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| Mounting type         | DIN rail mounting                                      |
| Assembly note         | on standard DIN rail NS 35 in accordance with EN 60715 |
| Mounting position     | any                                                    |
| Useable DIN rail type | DIN rail: 35 mm                                        |

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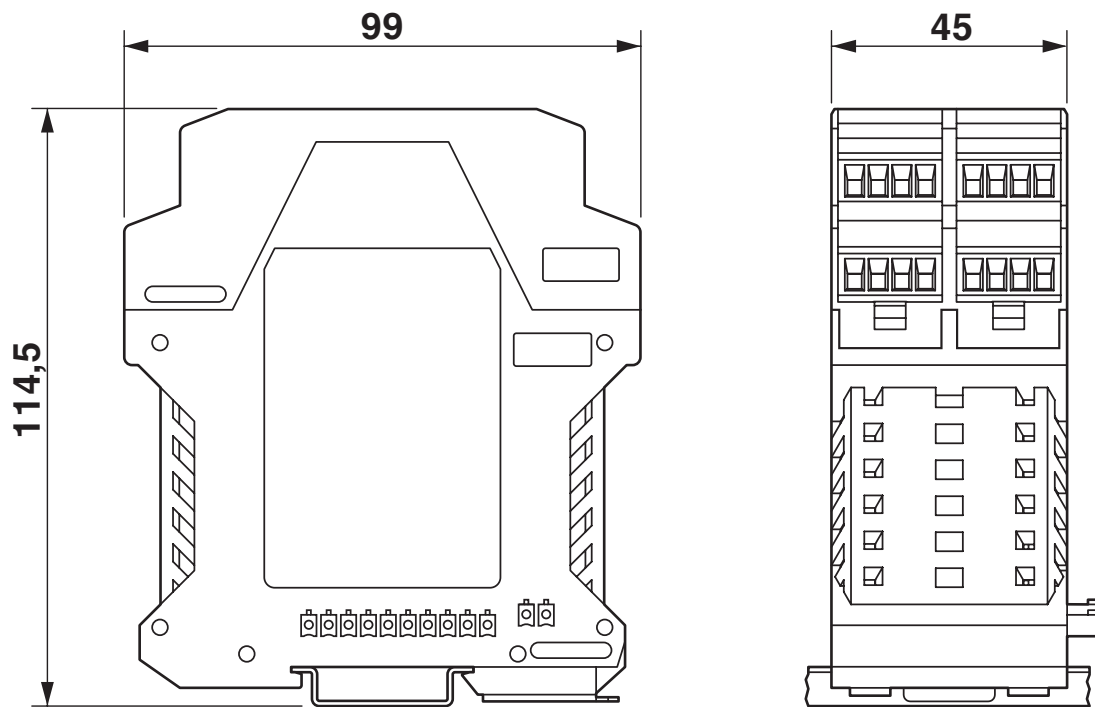
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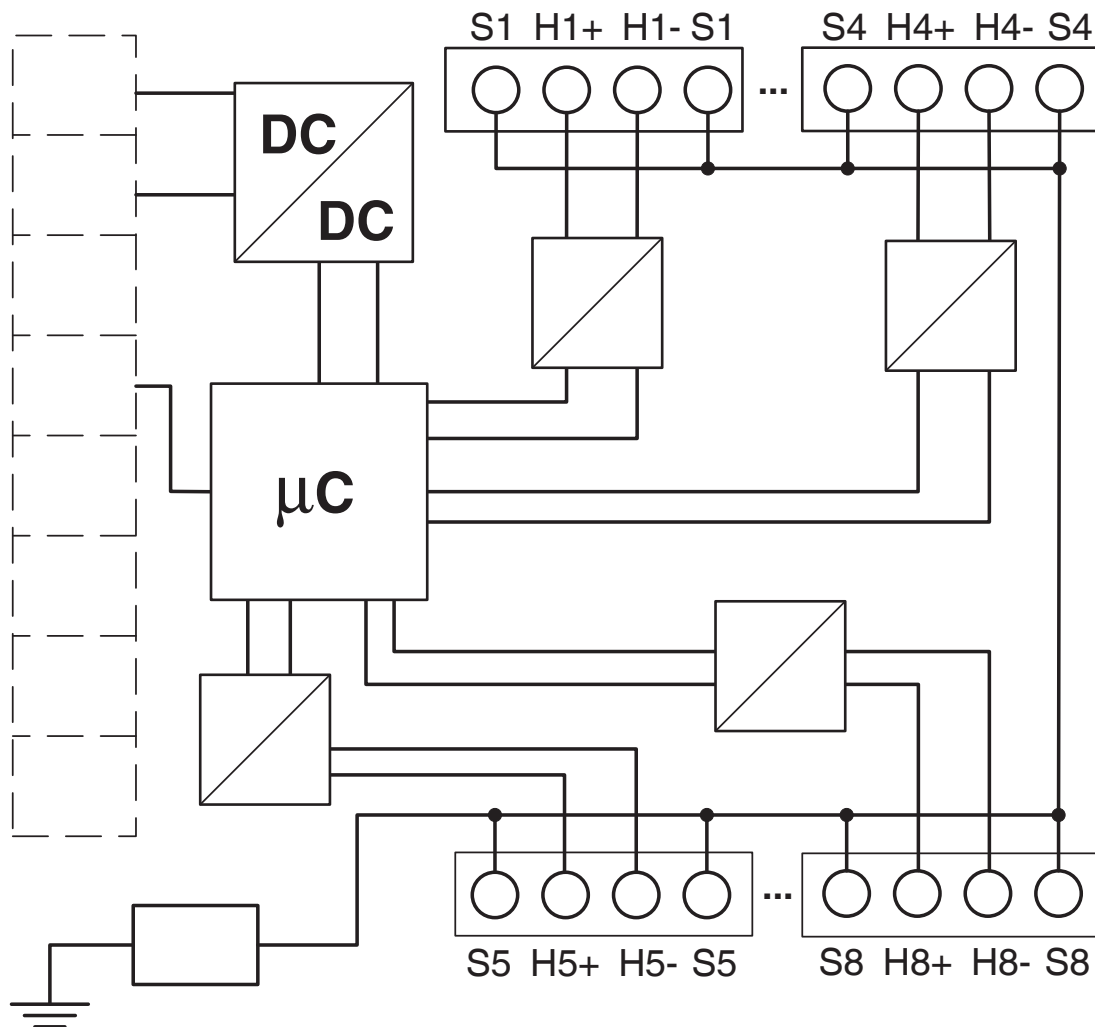


## Drawings

Dimensional drawing



Block diagram



## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/nl/products/2702235>



**UL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E238705



**KC**

Approval ID: R-REI-PCK-2702235



**IECEx**

Approval ID: IECEx ULD 17.0020X



**cUL Listed**

Approval ID: E196811



**UL Listed**

Approval ID: E196811



**ATEX**

Approval ID: DEMKO 17 ATEX 1749X

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27242208 |
| ECLASS-15.0 | 27242208 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC001423 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 32151700 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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