

# D L 2,8 64X 8 - Display

2203543

<https://www.phoenixcontact.com/us/products/2203543>



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Graphic LCD module, 2.8", 128 x 64 pixels, FSTN transfective/positive 6:00, LED backlight, interface: 8 bit, operating temperature: -20 °C ... 70 °C



## Your advantages

- Graphic LCD module
- Easy and time-saving integration into HCS series electronics housings
- Long-term availability
- Ideal protective shield and gasket material
- Backlighting can be switched on and off
- Common interface for your electronics

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2203543       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | AC05          |
| Product key                          | ACGAAA        |
| GTIN                                 | 4055626481975 |
| Weight per piece (including packing) | 56.2 g        |
| Weight per piece (excluding packing) | 26 g          |
| Customs tariff number                | 85299020      |
| Country of origin                    | DE            |

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## Technical data

### Notes

|                 |                                                                                                                                                                                                                                                                                            |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General         | The background color may vary slightly depending on the ambient temperature. This procedure can be reversed.                                                                                                                                                                               |
| Notes on safety | <b>NOTE: Electrostatic discharge!</b><br>The device contains components that can be damaged or destroyed by electrostatic discharge. When handling the device, observe the necessary safety precautions against electrostatic discharge (ESD) according to EN 61340-5-1 and IEC 61340-5-1. |

### Product properties

|              |         |
|--------------|---------|
| Product type | Display |
|--------------|---------|

#### Data management status

|                  |    |
|------------------|----|
| Article revision | 01 |
|------------------|----|

#### Display

|                       |                       |
|-----------------------|-----------------------|
| Display type          | Graphic LCD module    |
| Display type          | LCD with backlighting |
| Display type          | transmissive          |
| Panel technology      | FSTN                  |
| Diagonals (cm)        | 7.11 cm               |
| Diagonals (inch)      | 2.8 in.               |
| Screen resolution     | 128 x 64 Pixel(s)     |
| Display lighting type | LED, white            |
| Contrast ratio        | 4                     |
| Viewing direction     | 6:00                  |
| Controller            | NT7538                |
| Representation        | positive              |

### Interfaces

|           |                |
|-----------|----------------|
| Interface | 8-bit parallel |
|-----------|----------------|

### Dimensions

|            |                                                  |
|------------|--------------------------------------------------|
| Dimensions | 70 mm x 49 mm x 5 mm (Mounting panel dimensions) |
|            | 63 mm x 35 mm (Viewing area)                     |
|            | 60 mm x 30 mm (Active range)                     |

### Material specifications

|                         |           |
|-------------------------|-----------|
| Surface characteristics | untreated |
|-------------------------|-----------|

### Environmental and real-life conditions

#### Vibration test

|               |                       |
|---------------|-----------------------|
| Specification | IEC 60068-2-6:2007-12 |
|---------------|-----------------------|

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|                        |                   |
|------------------------|-------------------|
| Frequency              | 10 - 55 - 10 Hz   |
| Sweep speed            | 1 octave/min      |
| Test duration per axis | 15 min.           |
| Test directions        | X-, Y- and Z-axis |

Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -20 °C ... 70 °C |
| Ambient temperature (storage/transport) | -30 °C ... 80 °C |
| Relative humidity (storage/transport)   | 93 %             |

Mounting

|               |                |
|---------------|----------------|
| Mounting type | Screw mounting |
|---------------|----------------|

Packaging specifications

|                   |                     |
|-------------------|---------------------|
| Type of packaging | packed in cardboard |
|-------------------|---------------------|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27261890 |
| ECLASS-12.0 | 27261890 |
| ECLASS-13.0 | 27261890 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC011541 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43211900 |
|-------------|----------|

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## Accessories

### HCS-C MINI 1W C C C 7035 - Electronics housing

2203147

<https://www.phoenixcontact.com/us/products/2203147>



Handheld housing, C-Mini, light gray, consisting of two half shells with screws, front 1.1 mm recessed with window and keypad slot

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### HCS-C MINI 1W 9V 1 C 7035 - Electronics housing

2203150

<https://www.phoenixcontact.com/us/products/2203150>



Handheld housing, C-Mini, light gray, consisting of two half shells, front plate above, screws. Front 1.1 mm recessed, with window and keypad slot, battery compartment cover and battery contacts for 9 V battery

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## HCS-C MINI 1W 3AAA 1 1 7035 - Electronics housing

2203152

<https://www.phoenixcontact.com/us/products/2203152>



Handheld housing, C-Mini, light gray, consisting of two half shells, two front plates, screws. Front 1.1 mm recessed, with window and keypad slot, battery compartment cover and battery contacts for 3 AA batteries

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## HCS-C MINI-P 1W C C C 7035 - Electronics housing

2203153

<https://www.phoenixcontact.com/us/products/2203153>



Handheld housing, C-Mini-Plus, light gray, consisting of two half shells with screws, front 1.1 mm recessed, with window and keypad slot

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## HCS-C MINI-P 1W C 1 1 7035 - Electronics housing

2203155

<https://www.phoenixcontact.com/us/products/2203155>



Handheld housing, C-Mini-Plus, light gray, consisting of two half shells, two front plates with screws, front 1.1 mm recessed, with window and keypad slot

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## HCS-C MEDIUM 1W C 1 C 7035 - Electronics housing

2203162

<https://www.phoenixcontact.com/us/products/2203162>



Handheld housing, C-Medium, light gray, consisting of two half shells, front plates above with screws, front 1.1 mm recessed, with window and keypad slot

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## HCS-C MEDIUM 1W 3AA 1 1 7035 - Electronics housing

2203163

<https://www.phoenixcontact.com/us/products/2203163>



Handheld housing, C-Medium, light gray, consisting of two half shells, two front plates, screws. Front 1.1 mm recessed, with window and keypad slot, battery compartment cover and battery contacts for 3 AA batteries

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## HCS-T MINI 1W C C C 7035 - Electronics housing

2203131

<https://www.phoenixcontact.com/us/products/2203131>



Handheld housing, T-Mini, light gray, consisting of two half shells with screws, front 1.1 mm recessed, with window and keypad slot

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## HCS-T MINI 1W 3AA C C 7035 - Electronics housing

2203134

<https://www.phoenixcontact.com/us/products/2203134>



Handheld housing, T-Mini, light gray, consisting of two half shells with screws. Front 1.1 mm recessed, with window and keypad slot, battery compartment cover and battery contacts for 3 AA batteries

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## HCS-C MAXI 1W C C C 7035 - Electronics housing

2203166

<https://www.phoenixcontact.com/us/products/2203166>



Handheld housing, C-Maxi, light gray, consisting of two half shells with screws, front 1.1 mm recessed with window and keypad slot

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## HCS-C MAXI 1W C 1 1 7035 - Electronics housing

2203167

<https://www.phoenixcontact.com/us/products/2203167>



Handheld housing, C-Maxi, light gray, consisting of two half shells, two front plates with screws, front 1.1 mm recessed, with window and keypad slot

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## HCS-C MAXI 1W 2X3AA 1 1 7035 - Electronics housing

2203168

<https://www.phoenixcontact.com/us/products/2203168>



Handheld housing, C-Maxi, light gray, consisting of two half shells, two front plates, screws. Front 1.1 mm recessed, with window and keypad slot, battery compartment cover and battery contacts for 6 AA batteries

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## HCS-C MAXI 1W 2X9V 1 1 7035 - Electronics housing

2203170

<https://www.phoenixcontact.com/us/products/2203170>



Handheld housing, C-Maxi, light gray, consisting of two half shells, two front plates, screws. Front 1.1 mm recessed, with window and keypad slot, battery compartment cover and battery contacts for 2x 9 V battery

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## HCS-T MEDIUM 1W C 1 1 7035 - Electronics housing

2203138

<https://www.phoenixcontact.com/us/products/2203138>



Handheld housing, T-Medium, light gray, consisting of two half shells, two front plates with screws, front 1.1 mm recessed, with window and keypad slot

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## HCS-T MEDIUM 1W C C 1 7035 - Electronics housing

2203139

<https://www.phoenixcontact.com/us/products/2203139>



Handheld housing, T-Medium, light gray, consisting of two half shells, front plates below with screws, front 1.1 mm recessed, with window and keypad slot

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