

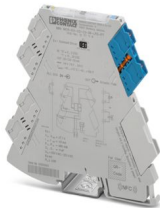
# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



1277119

<https://www.phoenixcontact.com/in/products/1277119>

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Ex i-Solenoid driver for controlling Ex i solenoid valves in the Ex area. no-load voltage: 23 V DC, current limitation: 38 mA, Standard configuration, Line fault detection, Safety Integrity Level (SIL, IEC 61508): 3, Push-in connection

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1277119       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | DK1224        |
| GTIN                                 | 4063151471712 |
| Weight per piece (including packing) | 118.5 g       |
| Weight per piece (excluding packing) | 88 g          |
| Country of origin                    | DE            |

## Technical data

### Product properties

|                |                 |
|----------------|-----------------|
| Product type   | Solenoid driver |
| Product family | MINI Analog Pro |

### Electrical properties

|                 |                      |
|-----------------|----------------------|
| Switch-on time  | < 50 ms              |
| Line monitoring | Line fault detection |

#### Electrical isolation

|                      |                     |
|----------------------|---------------------|
| Overvoltage category | II ( $\leq 5000$ m) |
| Pollution degree     | 2 ( $\leq 5000$ m)  |

#### Electrical isolation Input/power supply IEC/EN 61010-1

|                          |                              |
|--------------------------|------------------------------|
| Standards/regulations    | IEC/EN 61010-1               |
| Rated insulation voltage | 250 V <sub>rms</sub>         |
| Test voltage             | 2.5 kV AC (50 Hz, 60 s)      |
| Insulation               | Double/reinforced insulation |

#### Electrical isolation Output/power supply, input IEC/EN 61010-1

|                          |                              |
|--------------------------|------------------------------|
| Standards/regulations    | IEC/EN 61010-1               |
| Rated insulation voltage | 300 V <sub>rms</sub>         |
| Test voltage             | 2.5 kV AC (50 Hz, 60 s)      |
| Insulation               | Double/reinforced insulation |

#### Electrical isolation Output/input, power supply IEC/EN 60079-11

|                          |                      |
|--------------------------|----------------------|
| Standards/regulations    | IEC/EN 60079-11      |
| Rated insulation voltage | 265 V <sub>rms</sub> |

#### Electrical isolation Output/input, power supply IEC/EN 60079-7

|                          |                      |
|--------------------------|----------------------|
| Standards/regulations    | IEC/EN 60079-7       |
| Rated insulation voltage | 251 V <sub>rms</sub> |

#### Supply

|                        |                                                  |
|------------------------|--------------------------------------------------|
| Nominal supply voltage | 24 V DC                                          |
| Supply voltage range   | 19.2 V DC ... 30 V DC (24 V DC, -20 % ... +25 %) |
| Power consumption      | < 1.5 W                                          |

### Input data

#### Signal: Logic

|                            |                                                                             |
|----------------------------|-----------------------------------------------------------------------------|
| Number of inputs           | 1                                                                           |
| Switching level "0" signal | 0 V DC ... 5 V DC                                                           |
| Switching level "1" signal | 15 V DC ... 30 V DC                                                         |
| Input current              | < 3 mA                                                                      |
| Input impedance            | > 1 M $\Omega$ (high-resistance in the event of a line fault at the output) |

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|                      |                               |
|----------------------|-------------------------------|
| Line fault detection | < 25 $\Omega$ (Short circuit) |
|                      | > 10 k $\Omega$ (Line break)  |

## Output data

Signal: Error message output

|                       |                             |
|-----------------------|-----------------------------|
| Type of output signal | Transistor output via T-BUS |
|-----------------------|-----------------------------|

Signal: Voltage

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Output description   | intrinsically safe                               |
| Number of outputs    | 1                                                |
| Output voltage       | $\geq 12.5$ V DC (38 mA)                         |
| Output resistor      | $\geq 270$ $\Omega$ (Internal resistance $R_i$ ) |
| Current limitation   | > 38 mA (with line fault detection)              |
| Response time        | < 20 ms                                          |
| Non-load voltage     | > 23 V DC                                        |
| Short-circuit-proof  | yes                                              |
| Line fault detection | > 10 k $\Omega$ (Line break)                     |
|                      | < 25 $\Omega$ (Short circuit)                    |
|                      | Activated /deactivated via DIP switch            |

## Connection data

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| Connection method                | Push-in connection                                             |
| Stripping length                 | 10 mm                                                          |
| Conductor cross section rigid    | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (with ferrule)     |
|                                  | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (without ferrule) |
| Conductor cross section flexible | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                   |
| Conductor cross section AWG      | 24 ... 12 (flexible)                                           |

## Ex data

|                       |        |
|-----------------------|--------|
| Ex installation (EPL) | Gc     |
|                       | Div. 2 |
| Ex i circuits (EPL)   | Ga     |
|                       | Da     |
|                       | Ma     |
|                       | Div. 1 |

## Safety data

|                                      |            |
|--------------------------------------|------------|
| Max. internal inductance $L_i$       | negligible |
| Max. internal capacitance $C_i$      | 11 nF      |
| Max. output voltage $U_o$            | 27.1 V     |
| Max. output current $I_o$            | 101 mA     |
| Max. output power $P_o$              | 685 mW     |
| Safety-related maximum voltage $U_m$ | 253 V AC   |
|                                      | 125 V DC   |

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|                                                                                              |                     |
|----------------------------------------------------------------------------------------------|---------------------|
| IIA (simple circuit): Max. external inductivity $L_o$ / Max. external capacitance $C_o$      | 23 mH / 2.3 $\mu$ F |
| IIB/IIIC (simple circuit): Max. external inductivity $L_o$ / Max. external capacitance $C_o$ | 12 mH / 686 nF      |
| IIC (simple circuit): Max. external inductivity $L_o$ / Max. external capacitance $C_o$      | 3 mH / 78 nF        |
| I (simple circuit): Max. external inductivity $L_o$ / Max. external capacitance $C_o$        | 30 mH / 4.1 $\mu$ F |

## Signaling

|                  |         |
|------------------|---------|
| Error indication | Red LED |
|------------------|---------|

## Dimensions

|        |           |
|--------|-----------|
| Width  | 6.2 mm    |
| Height | 109.81 mm |
| Depth  | 119.2 mm  |

## Material specifications

|       |                 |
|-------|-----------------|
| Color | gray (RAL 7042) |
|-------|-----------------|

## Environmental and real-life conditions

### Ambient conditions

|                                         |                               |
|-----------------------------------------|-------------------------------|
| Degree of protection                    | IP20                          |
| Ambient temperature (operation)         | -40 °C ... 70 °C              |
| Ambient temperature (storage/transport) | -40 °C ... 85 °C              |
| Permissible humidity (operation)        | 5 % ... 95 % (non-condensing) |

### Altitude range (IEC/EN 61010-1)

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| Height range                    | > 2000 m ... 3000 m                         |
| Ambient temperature (operation) | -40 °C ... 63 °C                            |
| Rated insulation voltage        | 300 V <sub>rms</sub> (Output/supply, input) |
|                                 | 250 V <sub>rms</sub> (Input/supply)         |
| Insulation                      | Double/reinforced insulation                |

### Altitude range (IEC/EN 61010-1)

|                                 |                                             |
|---------------------------------|---------------------------------------------|
| Height range                    | > 3000 m ... 4000 m                         |
| Ambient temperature (operation) | -40 °C ... 56 °C                            |
| Rated insulation voltage        | 300 V <sub>rms</sub> (Output/supply, input) |
|                                 | 250 V <sub>rms</sub> (Input/supply)         |
| Insulation                      | Double/reinforced insulation                |

### Altitude range (IEC/EN 61010-1)

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Height range                    | > 4000 m ... 5000 m                              |
| Ambient temperature (operation) | -40 °C ... 49 °C                                 |
| Rated insulation voltage        | 150 V <sub>rms</sub> (Input/output/power supply) |
| Insulation                      | Double/reinforced insulation                     |

## Altitude range (IEC/EN 60079-11)

|                                      |                                                   |
|--------------------------------------|---------------------------------------------------|
| Height range                         | > 2000 m ... 3000 m                               |
| Ambient temperature (operation)      | -40 °C ... 63 °C                                  |
| Safety-related maximum voltage $U_m$ | 121 V AC                                          |
|                                      | 110 V DC                                          |
| Rated insulation voltage             | 150 V <sub>rms</sub> (Output/input, power supply) |

## Altitude range (IEC/EN 60079-11)

|                                      |                                                  |
|--------------------------------------|--------------------------------------------------|
| Height range                         | > 3000 m ... 4000 m                              |
| Ambient temperature (operation)      | -40 °C ... 56 °C                                 |
| Safety-related maximum voltage $U_m$ | 33 V AC/DC                                       |
| Rated insulation voltage             | 60 V <sub>rms</sub> (Output/input, power supply) |

## Altitude range (IEC/EN 60079-11)

|                                      |                                                  |
|--------------------------------------|--------------------------------------------------|
| Height range                         | > 4000 m ... 5000 m                              |
| Ambient temperature (operation)      | -40 °C ... 49 °C                                 |
| Safety-related maximum voltage $U_m$ | 33 V AC/DC                                       |
| Rated insulation voltage             | 60 V <sub>rms</sub> (Output/input, power supply) |

## Altitude range (IEC/EN 60079-7)

|                                 |                                                   |
|---------------------------------|---------------------------------------------------|
| Height range                    | > 2000 m ... 3000 m                               |
| Ambient temperature (operation) | -40 °C ... 63 °C                                  |
| Rated insulation voltage        | 162 V <sub>rms</sub> (Output/input, power supply) |

## Altitude range (IEC/EN 60079-7)

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Height range                    | > 3000 m ... 4000 m                              |
| Ambient temperature (operation) | -40 °C ... 56 °C                                 |
| Rated insulation voltage        | 60 V <sub>rms</sub> (Output/input, power supply) |

## Altitude range (IEC/EN 60079-7)

|                                 |                                                  |
|---------------------------------|--------------------------------------------------|
| Height range                    | > 4000 m ... 5000 m                              |
| Ambient temperature (operation) | -40 °C ... 49 °C                                 |
| Rated insulation voltage        | 60 V <sub>rms</sub> (Output/input, power supply) |

## Approvals

### CE

|             |              |
|-------------|--------------|
| Certificate | CE-compliant |
|-------------|--------------|

### ATEX

|                |                                      |
|----------------|--------------------------------------|
| Identification | ⊕ II (1) G [Ex ia Ga] IIC            |
|                | ⊕ II (1) D [Ex ia Da] IIIC           |
|                | ⊕ II 3 (1) G Ex ec [ia Ga] IIC T4 Gc |
|                | ⊕ I (M1) [Ex ia Ma] I                |
| Certificate    | TÜV 21 ATEX 8651 X                   |

### IECEx

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|                |                         |
|----------------|-------------------------|
| Identification | [Ex ia Ga] IIC          |
|                | [Ex ia Da] IIIC         |
|                | Ex ec [ia Ga] IIC T4 Gc |
|                | [Ex ia Ma] I            |
| Certificate    | IECEX TUR 21.0043 X     |

## UKCA Ex (UKEX)

|                |                                      |
|----------------|--------------------------------------|
| Identification | ⊕ II (1) G [Ex ia Ga] IIC            |
|                | ⊕ II (1) D [Ex ia Da] IIIC           |
|                | ⊕ II 3 (1) G Ex ec [ia Ga] IIC T4 Gc |
|                | ⊕ I (M1) [Ex ia Ma] I                |
| Certificate    | TÜV 21 UKEX 7021 X                   |

## CCC / China-Ex

|                |                         |
|----------------|-------------------------|
| Identification | [Ex ia Ga] IIC          |
|                | [Ex ia Da] IIIC         |
|                | Ex ec [ia Ga] IIC T4 Gc |
| Certificate    | 2023122310116238        |

## UL, USA/Canada

|                |                |
|----------------|----------------|
| Identification | UL 61010-2-201 |
|----------------|----------------|

## Safety Integrity Level (SIL, IEC 61508)

|                |   |
|----------------|---|
| Identification | 3 |
|----------------|---|

## EMC data

|                               |                                                                                                               |
|-------------------------------|---------------------------------------------------------------------------------------------------------------|
| Electromagnetic compatibility | Tested in accordance with the following standards and regulations: EN 61326-1 For industrial use, NAMUR NE 21 |
| Noise immunity                | IEC/EN 61000-6-2                                                                                              |
|                               | IEC/EN 61326-3-2                                                                                              |
| Noise emission                | IEC/EN 61000-6-4                                                                                              |

## Standards and regulations

### GB Standard

|                       |             |
|-----------------------|-------------|
| Standards/regulations | GB/T 3836.1 |
|                       | GB/T 3836.3 |
|                       | GB/T 3836.4 |

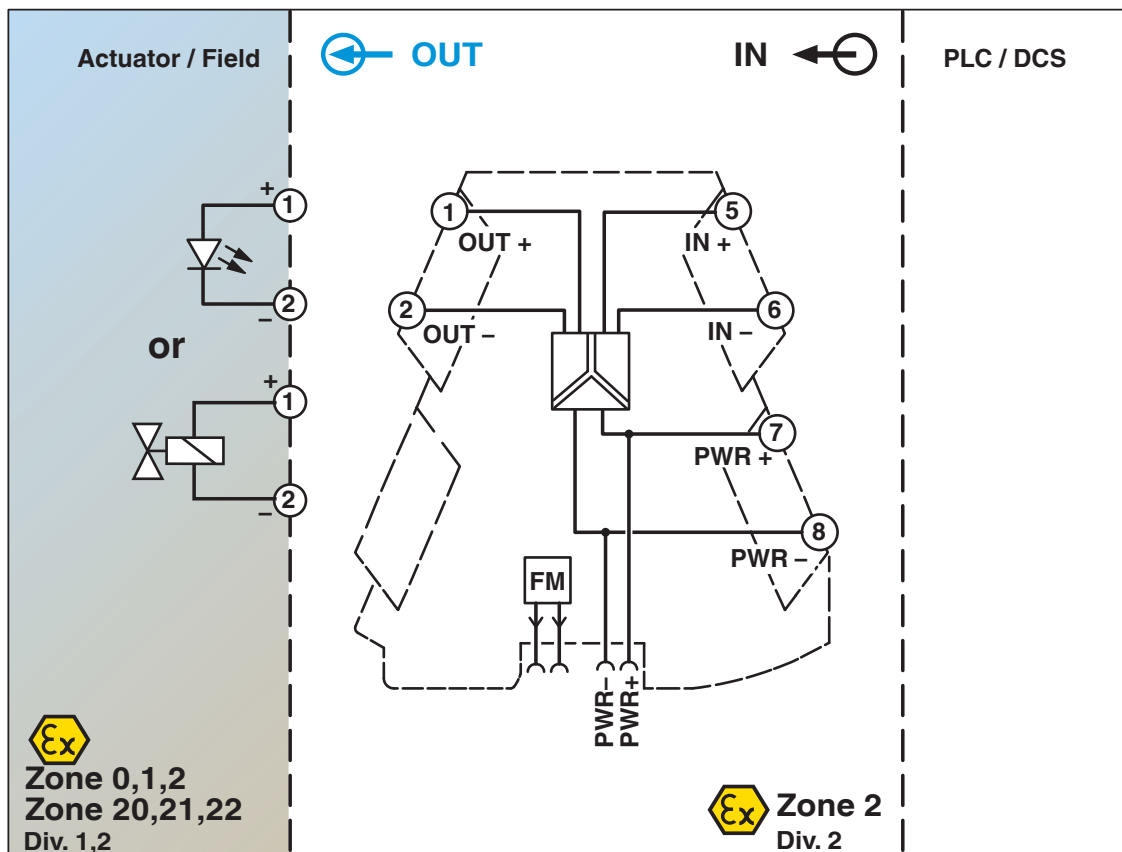
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## Drawings

Block diagram



# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1277119>



**IECEx**

Approval ID: IECEx TUR 21.0043X



**ATEX**

Approval ID: TUV 21 ATEX 8651 X



**CCC**

Approval ID: 2023122316116237



**UKCA-EX**

Approval ID: TUV21UKEX7021X



# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



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## Classifications

### ECLASS

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

### ETIM

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

## 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)                 |
| SCIP                                | 3ab41d40-8c6b-47c3-9f45-36a3940b1d84 |

# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



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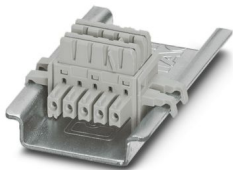
<https://www.phoenixcontact.com/in/products/1277119>

## Accessories

### ME 6,2 TBUS-2 1,5/5-ST-3,81 GY - DIN rail bus connectors

2695439

<https://www.phoenixcontact.com/in/products/2695439>



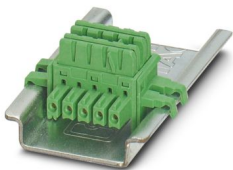
DIN rail connector (TBUS), 5-pos., for bridging the supply voltage, can be snapped onto NS 35/... DIN rail in accordance with EN 60715

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### ME 6,2 TBUS-2 1,5/5-ST-3,81 GN - DIN rail bus connectors

2869728

<https://www.phoenixcontact.com/in/products/2869728>



DIN rail connector for DIN rail mounting. Universal for TBUS housing. Gold-plated contacts, 5-pos.

## MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



1277119

<https://www.phoenixcontact.com/in/products/1277119>

## MCR-DP - Separating plate

1430594

<https://www.phoenixcontact.com/in/products/1430594>



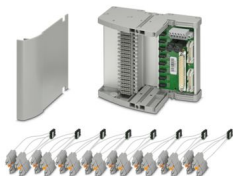
The partition plate is used to maintain Ex i isolating distances when Ex i and non-Ex i devices are mounted side by side on a DIN rail.

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## TC-D37SUB-AIO16-MP-PS-UNI - Module carrier

2906640

<https://www.phoenixcontact.com/in/products/2906640>



Universal Termination Carrier for connecting 16 MINI Analog Pro signal conditioners to digital or analog I/O cards, via D-SUB connector, 37-pos. (1:1 connection), with HART multiplexer connection

## MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver

1277119

<https://www.phoenixcontact.com/in/products/1277119>



## TC-D37SUB-ADIO16-MP-P-UNI - Module carrier

2906639

<https://www.phoenixcontact.com/in/products/2906639>

Universal Termination Carrier for connecting 16 MINI Analog Pro signal conditioners to digital or analog I/O cards, via D-SUB connector, 37-pos. (1:1 connection)



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## MINI MCR-2-V8-FLK 16 - System adapter

2901993

<https://www.phoenixcontact.com/in/products/2901993>



Eight MINI Analog Pro signal conditioners and measuring transducers can be connected to a controller with minimal cabling effort and without any errors using system adapters and system cabling.

# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



1277119

<https://www.phoenixcontact.com/in/products/1277119>

## UCT-EM (30X5) - Marker for end clamp

0801505

<https://www.phoenixcontact.com/in/products/0801505>



Marker for end clamp, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: latching, Number of individual labels: 24, text field height: 5 mm, text field width: 30 mm

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## UCT-EM (30X5) CUS - Marker for end clamp

0801589

<https://www.phoenixcontact.com/in/products/0801589>



Marker for end clamp, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snapped into marker carrier, Number of individual labels: 24, text field height: 5 mm, text field width: 30 mm

# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



1277119

<https://www.phoenixcontact.com/in/products/1277119>

## SK 5,0 WH:REEL - Marker strip

0805221

<https://www.phoenixcontact.com/in/products/0805221>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, Number of individual labels: 10, text field height: 5 mm, text field width: 90000 mm

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## UC-EMLP (15X5) - Plastic label

0819301

<https://www.phoenixcontact.com/in/products/0819301>



Plastic label, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: adhesive, Number of individual labels: 10, text field height: 5 mm, text field width: 15 mm

# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



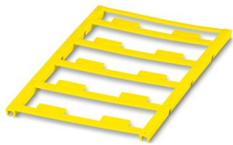
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<https://www.phoenixcontact.com/in/products/1277119>

## UC-EMLP (15X5) YE - Plastic label

0822615

<https://www.phoenixcontact.com/in/products/0822615>



Plastic label, Sheet, yellow, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: adhesive, Number of individual labels: 10, text field height: 5 mm, text field width: 15 mm

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## UC-EMLP (15X5) CUS - Plastic label

0824550

<https://www.phoenixcontact.com/in/products/0824550>



Plastic label, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: adhesive, text field height: 5 mm, text field width: 15 mm



# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



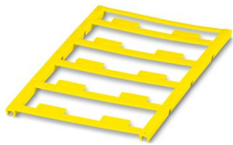
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<https://www.phoenixcontact.com/in/products/1277119>

## UC-EMLP (15X5) YE CUS - Plastic label

0824551

<https://www.phoenixcontact.com/in/products/0824551>



Plastic label, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: adhesive, text field height: 5 mm, text field width: 15 mm

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## UC-EMLP (15X5) SR - Plastic label

0828095

<https://www.phoenixcontact.com/in/products/0828095>



Plastic label, Sheet, silver, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: adhesive, Number of individual labels: 10, text field height: 5 mm, text field width: 15 mm

# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



1277119

<https://www.phoenixcontact.com/in/products/1277119>

## UC-EMLP (15X5) SR CUS - Plastic label

0828099

<https://www.phoenixcontact.com/in/products/0828099>



Plastic label, can be ordered: by sheet, silver, labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 10, text field height: 5 mm, text field width: 15 mm

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## US-EMLP (15X5) - Plastic label

0828790

<https://www.phoenixcontact.com/in/products/0828790>



Plastic label, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm

# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



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<https://www.phoenixcontact.com/in/products/1277119>

## US-EMLP (15X5) YE - Plastic label

0828873

<https://www.phoenixcontact.com/in/products/0828873>



Plastic label, Card, yellow, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm

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## US-EMLP (15X5) SR - Plastic label

0828874

<https://www.phoenixcontact.com/in/products/0828874>



Plastic label, Card, silver, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm

# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



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## US-EMLP (15X5) CUS - Plastic label

0830076

<https://www.phoenixcontact.com/in/products/0830076>

Plastic label, Card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm



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## US-EMLP (15X5) YE CUS - Plastic label

0830077

<https://www.phoenixcontact.com/in/products/0830077>

Plastic label, Card, can be ordered: by card, yellow, labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm



# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



1277119

<https://www.phoenixcontact.com/in/products/1277119>

## US-EMLP (15X5) SR CUS - Plastic label

0830078

<https://www.phoenixcontact.com/in/products/0830078>

Plastic label, Card, can be ordered: by card, silver, labeled according to customer specifications, mounting type: adhesive, Number of individual labels: 189, text field height: 5 mm, text field width: 15 mm



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## UCT-EM (30X5) YE - Marker for end clamp

0830340

<https://www.phoenixcontact.com/in/products/0830340>

Marker for end clamp, Sheet, yellow, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: latching, Number of individual labels: 24, text field height: 5 mm, text field width: 30 mm



## MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



1277119

<https://www.phoenixcontact.com/in/products/1277119>

## UCT-EM (30X5) YE CUS - Marker for end clamp

0830348

<https://www.phoenixcontact.com/in/products/0830348>

Marker for end clamp, can be ordered: by sheet, yellow, labeled according to customer specifications, mounting type: snapped into marker carrier, Number of individual labels: 24, text field height: 5 mm, text field width: 30 mm



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## MINI MCR-2-PTB - Power terminal block

2902066

<https://www.phoenixcontact.com/in/products/2902066>

Power terminal with plug-in connection technology for delivering the supply voltage to the DIN rail connector. Monitoring of the supply voltages in combination with the fault monitoring module. Screw connection technology



# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



1277119

<https://www.phoenixcontact.com/in/products/1277119>

## MINI MCR-2-PTB-PT - Power terminal block

2902067

<https://www.phoenixcontact.com/in/products/2902067>



Power terminal with plug-in connection technology for delivering the supply voltage to the DIN rail connector. Monitoring of the supply voltages in combination with the fault monitoring module. Push-in connection technology

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## QUINT4-SYS-PS/1AC/24DC/2.5/SC - Power supply unit

2904614

<https://www.phoenixcontact.com/in/products/2904614>



Primary-switched power supply, QUINT POWER, screw connection, DIN rail mounting, supply of devices possible via the TBUS DIN rail connector, protective coating, input: single-phase, output: 24 V DC/2.5 A

# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



1277119

<https://www.phoenixcontact.com/in/products/1277119>

## MINI MCR-2-FM-RC - Monitoring block

2904504

<https://www.phoenixcontact.com/in/products/2904504>



Fault monitoring module with plug-in connection technology for evaluating and reporting group errors from the FM system and for monitoring the supply voltages. Error message via N/C contact. Screw connection technology, standard configuration

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## MINI MCR-2-FM-RC-PT - Monitoring block

2904508

<https://www.phoenixcontact.com/in/products/2904508>



Fault monitoring module with plug-in connection technology for evaluating and reporting group errors from the FM system and for monitoring the supply voltages. Error message via N/C contact. Push-in connection technology, standard configuration



# MINI MCR-EX-SD-23-38-LFD-PT - Solenoid driver



1277119

<https://www.phoenixcontact.com/in/products/1277119>

## SZS 0,6X3,5 - Screwdriver

1205053

<https://www.phoenixcontact.com/in/products/1205053>



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)