

# Digital display - MCR-FL-D-T-2SP-24 - 2864231

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



MCR digital display, for measurement and display of temperatures and linear mV characteristic curves, auxiliary power supply 24 V DC



## Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 352 (IF-2007)
GTIN	 4 017918 820701
Weight per Piece (excluding packing)	341.3 GRM
Country of origin	GERMANY

## Technical data

### Input data

Max. input voltage	10 V DC
Input signal	Resistance thermometers in 2, 3 or 4-conductor technology (in accordance with DIN 43760/DIN IEC 751), e.g. PT100/PT1000 (-200...+800°C)
Input signal	Thermocouple sensors (in accordance with DIN IEC 584-1/DIN 43710): B, E, J, K, N, R, S, T

### Switching output

Output name	2 x relay output + digital display
Contact type	2 PDT
Contact material	AgCdO
Maximum switching voltage	300 V DC
Maximum switching voltage	250 V AC
Min. switching current	30 mA DC
Interrupting rating (ohmic load) max.	50 W
Interrupting rating (ohmic load) max.	2000 VA

### Power supply

Supply voltage range	10 V DC ... 30 V DC
----------------------	---------------------

# Digital display - MCR-FL-D-T-2SP-24 - 2864231

## Technical data

### Power supply

Power consumption	max. 2 W
-------------------	----------

### General data

Width	96 mm
Height	48 mm
Depth	93.1 mm
Ambient temperature (operation)	-20 °C ... 65 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP65 from the front
Test voltage, input/output/supply	(500 Vrms / 2.3 kVrms, 50/60 Hz, 1 min.)
Color	black
Housing material	Macrolon 2405
Conformance	CE-compliant
UL, USA / Canada	UL 508 Recognized

## Classifications

### eclass

eCl@ss 4.0	27143201
eCl@ss 4.1	27143201
eCl@ss 5.0	27143201
eCl@ss 5.1	27143201
eCl@ss 6.0	27143201

### etim

ETIM 2.0	EC000677
ETIM 3.0	EC000677
ETIM 4.0	EC000677

### unspsc

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

## Approvals

### Certificates

---

#### Certification

UL Recognized / cUL Recognized / GOST / cULus Recognized

---

# Digital display - MCR-FL-D-T-2SP-24 - 2864231

## Approvals

Certification EX

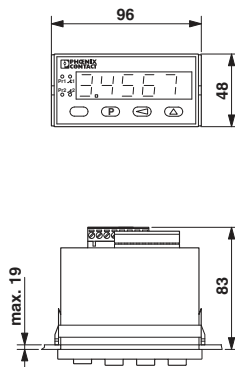
Certification submitted

## Approval details

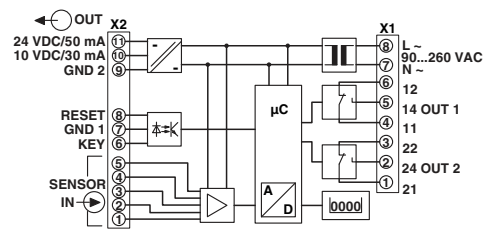
- UL Recognized
- cUL Recognized
- GOST
- cULus Recognized

## Drawings

### Dimensioned drawing

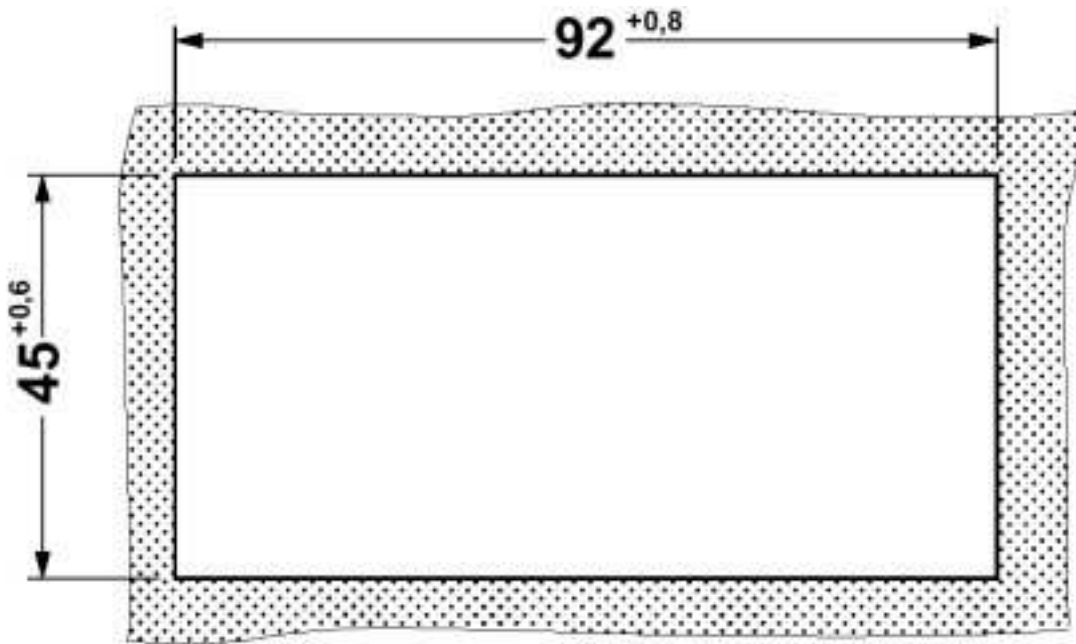


### Circuit diagram



## Digital display - MCR-FL-D-T-2SP-24 - 2864231

Dimensioned drawing



© Phoenix Contact 2012 - all rights reserved  
<http://www.phoenixcontact.com>