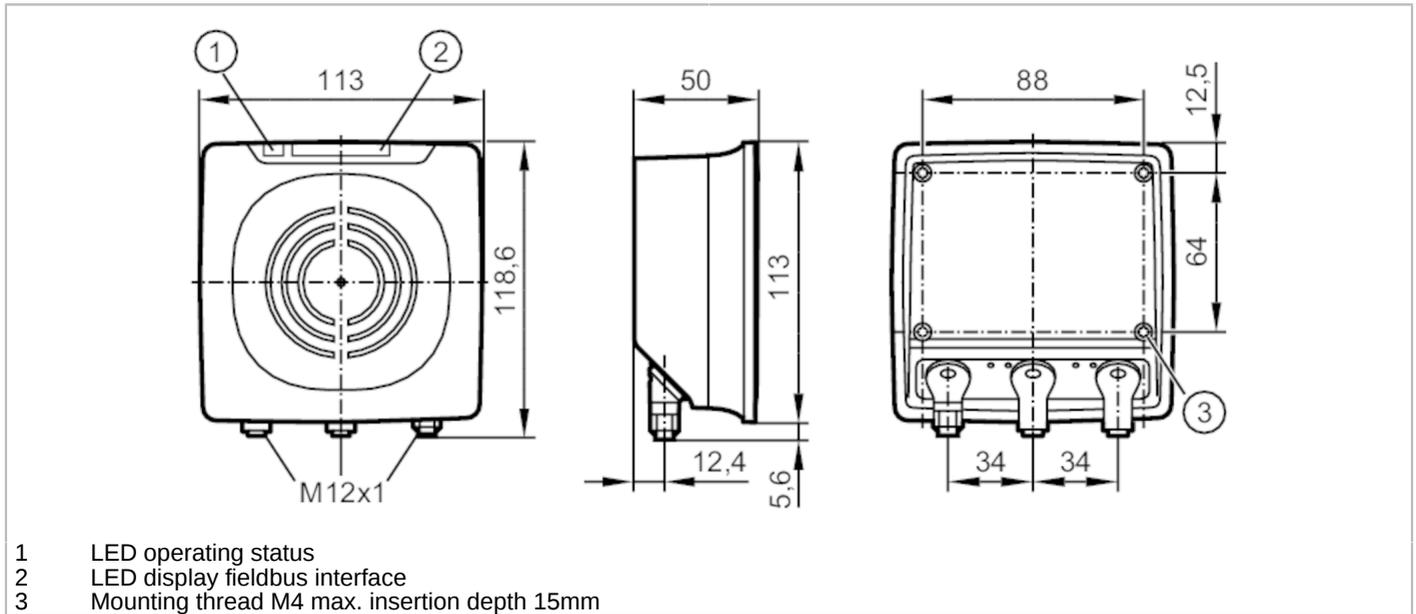


DTE601



Compact RFID device with fieldbus interface

DTRHF HLRWPNUS03



- 1 LED operating status
- 2 LED display fieldbus interface
- 3 Mounting thread M4 max. insertion depth 15mm



Application

| | |
|------------------------|--|
| Radio approval for | USA; Canada; EU/RED; Australia; China; South Korea; Japan; Taiwan; Singapore; Malaysia; India; Vietnam; Indonesia |
| Note on radio approval | The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under "Downloads". |

Electrical data

| | |
|---------------------------|----------------|
| Operating voltage [V] | 19.2...28.8 DC |
| Current consumption [mA] | 500 |
| Protection class | III |
| Operating frequency [MHz] | 13,56 |
| RFID standard | ISO 15693 |

Inputs / outputs

| | |
|------------------------------|------------------------------|
| Number of inputs and outputs | Number of digital outputs: 2 |
|------------------------------|------------------------------|

Outputs

| | |
|---|-------------|
| Total number of outputs | 2 |
| Electrical design | push-pull |
| Number of digital outputs | 2 |
| Max. voltage drop switching output DC [V] | 2 |
| Max. current load per output [mA] | 100; (max.) |
| Short-circuit protection | yes |
| Overload protection | yes |

Monitoring range

| | |
|-------------------------------------|-------------------------|
| Distance write/read head front [mm] | 600 |
| Distance write/read head side [mm] | 850 |
| Note on distance write/read head | 100% transmission power |

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| | | | | |
|------------------------|------|-------------------|---|-------|
| Distance to the ID tag | [mm] | 50 mm transponder | : | ≤ 150 |
| | | ISO card | : | ≤ 180 |

Interfaces

| | |
|-------------------------|----------|
| Communication interface | Ethernet |
|-------------------------|----------|

Ethernet - PROFINET

| | |
|----------|----------|
| Protocol | PROFINET |
|----------|----------|

| | |
|------------|-------------------|
| Usage type | Data transmission |
|------------|-------------------|

Ethernet - TCP/IP

| | |
|----------|--------|
| Protocol | TCP/IP |
|----------|--------|

| | |
|------------------|--------------------------|
| Factory settings | IP address: 192.168.0.79 |
|------------------|--------------------------|

| | |
|--|----------------------------|
| | subnet mask: 255.255.255.0 |
|--|----------------------------|

| | |
|--|-----------------------------------|
| | gateway IP address: 192.168.0.100 |
|--|-----------------------------------|

| | |
|------------|-------------------|
| Usage type | Parameter setting |
|------------|-------------------|

Operating conditions

| | | |
|---------------------|------|----------|
| Ambient temperature | [°C] | -20...60 |
|---------------------|------|----------|

| | | |
|---------------------|------|----------|
| Storage temperature | [°C] | -25...80 |
|---------------------|------|----------|

| | |
|------------|-------|
| Protection | IP 67 |
|------------|-------|

Tests / approvals

| | | |
|------------------|----------------|--------------------|
| Shock resistance | IEC 60028-2-27 | 40 g (6 ms) / bump |
|------------------|----------------|--------------------|

| | | |
|--|--|-----------------------------|
| | | 50 g (11 ms) / single shock |
|--|--|-----------------------------|

| | | |
|----------------------|--------------|-------------------|
| Vibration resistance | EN 60068-2-6 | 2 g (10...150 Hz) |
|----------------------|--------------|-------------------|

| | | |
|------|---------|-----|
| MTTF | [years] | 130 |
|------|---------|-----|

Mechanical data

| | | |
|--------|-----|-------|
| Weight | [g] | 641.5 |
|--------|-----|-------|

| | | |
|------------|------|------------------|
| Dimensions | [mm] | 113 x 118.6 x 50 |
|------------|------|------------------|

| | |
|----------|---|
| Material | lower part: aluminum; Upper part: PBT / PC; plug: stainless steel |
|----------|---|

Displays / operating elements

| | | |
|---------|----------------|----------------|
| Display | voltage supply | 1 x LED, green |
|---------|----------------|----------------|

| | | |
|--|-------------|--|
| | LED display | 4 x LED, yellow signal strength ID tag |
|--|-------------|--|

| | | |
|--|--------|---------------------------------------|
| | status | 2 x LED, green/red fieldbus interface |
|--|--------|---------------------------------------|

| | | |
|--|--------|--------------------------------|
| | status | 2 x LED, green/yellow Ethernet |
|--|--------|--------------------------------|

Remarks

| | |
|---------------|--------|
| Pack quantity | 1 pcs. |
|---------------|--------|

Electrical connection - Ethernet

Connector: 2 x M12; coding: D



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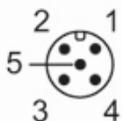
DTRHF HLRWPNUS03

ETH1 / ETH2

| | |
|---|-----|
| 1 | TD+ |
| 2 | RD+ |
| 3 | TD- |
| 4 | RD- |

Electrical connection - voltage supply

Connector: 1 x M12; coding: A



PWR

| | |
|---|------------------------|
| 1 | L+ |
| 2 | digital input/output 2 |
| 3 | L- |
| 4 | digital input/output 1 |
| 5 | not used |