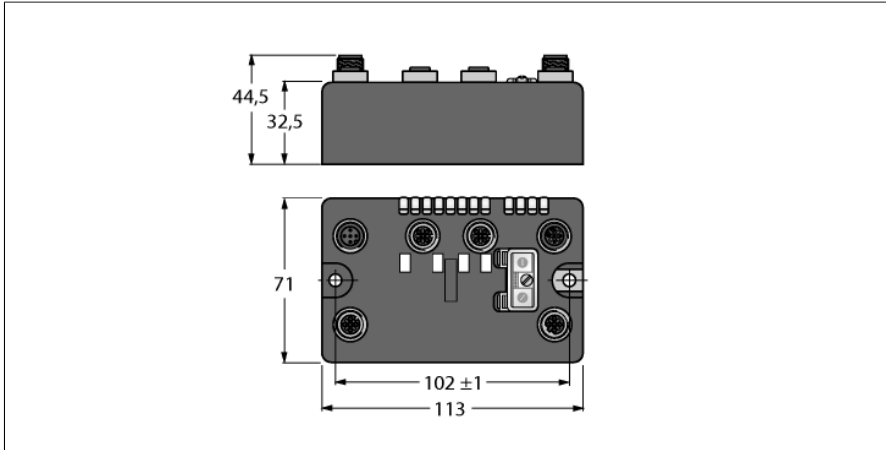


# Station de bus de terrain BL compact pour PROFIBUS-DP Interface pour la connexion de 2 têtes d'écriture/lecture BL ident (HF/UHF) BLCDP-2M12MT-2RFID-S

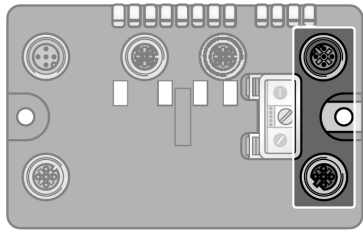


|  |   |
|--|---|
| Type   | BLCDP-2M12MT-2RFID-S                                  |
| N° d'identification                              | 6811177   |
| Tension nominale de système                      | 24 VDC  |
| Alimentation du système                          | par tension auxiliaire                                |
| Technique de connexion - alimentation en tension | 2 x M12, 5 pôles                                      |
| Plage admissible Vi                              | 18...30 VDC   |
| Courant nominal Vi                               | 125 mA  |
| Courant max. Vi                                  | 1 A   |
| Vitesse de transmission bus de terrain           | 9.6 Kbit/s...12 Mbit/s                                |
| Réglage vitesse de transmission                  | Reconnaissance automatique                            |
| Plage d'adresse du bus de terrain                | 0...99  |
| Adressage bus de terrain                         | 2 dec. Rotary coding switches                         |
| Technique de raccordement bus de terrain         | 2 x M12   |
| Raccordement bus de terrain                      | 5-pin, reverse-keyed                                  |
| Interface de service                             | RS232 interface                                       |
| <b>Technologie</b>                               |   |
| Type de signal                                   | Simple RFID interface                                 |
| Nombre de canaux                                 | 2   |
| Alimentation de détecteur                        | 0.5 A per channel, short-circuit proof                |
| Facteur de simultanéité                          | 1   |
| Vitesse de transmission                          | 115.2 kbps  |
| Longueur de câble                                | 50 m  |
| Isolation  | Electronics and field level isolated via optocouplers |

- bus de terrain compact On-Machine™ blocs E/S
- PROFIBUS-DP slave
- 9.6 kbps ... 12 Mbps
- Two 5-pin, reverse-keyed M12 male receptacles for fieldbus connection
- 2 rotary coding switches for node-address
- IP 69K
- M12 I/O ports
- LEDs indicating status and diagnostics
- Electronics galvanically isolated from the field level via optocouplers
- Simple RFID interface
- Connection of 2 BL ident read/write heads
- Max. cable length 50 m

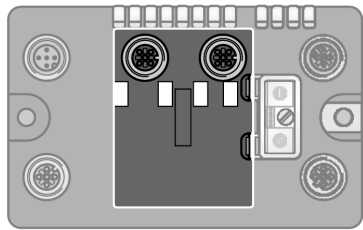
|                                       |   |
|---------------------------------------|---|
| Dimensions                            | 113 x 71 x 32.5 mm                                    |
| Montage                               | 2 × alésages 5,4 mm, couple de serrage 1,7 Nm         |
| Poids                                 | 360 ± 20 g  |
| Matériau de boîtier                   | Glass fiber reinforced nylon, nickel-plated connector |
| Couleur de boîtier                    | noir  |
| Matériau écrou                        | Laiton nickelé  |
| Matériau étiquette                    | Polyester avec recouvrement en polycarbonate          |
| Matériau étiquette terre              | Nickel-plated brass                                   |
| Mode de protection                    | IP67<br>IP69K   |
| Température ambiante                  | -40...+70 °C  |
| Température de stockage               | -40...+85 °C  |
| Humidité relative                     | 15...95 %, sans condensation                          |
| Test de vibrations                    | Suivant IEC 61131-2                                   |
| - jusque 20 g (pour 10 jusque 150 Hz) | For mounting on base plate or machinery               |
| Contrôle de chocs                     | suivant IEC 61131-2                                   |
| Compatibilité électromagnétique       | Suivant IEC 61131-2                                   |
| MTTF                                  | 215 Années  |
| Homologations et certificats          | CE, cULus   |

**schéma de raccordement et de broches**



**PROFIBUS-DP**

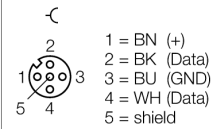
câble de bus de terrain (exemple): RSSW RKSU 455-2M N° identité U0350 ou RSSW-RKSU455-2M N° identité 6602222



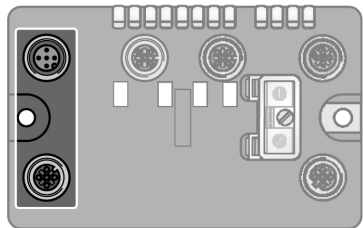
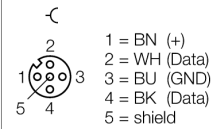
**RFID Channels**

câble de raccordement (exemple): RK 4.5T-2-RS 4.5T/S2501 N° identité U3-01243 ou RK4.5T-2-RS4.5T/S2500 N° identité 6699200

**Connecteur .../S2500**



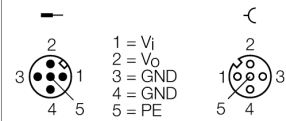
**Connecteur .../S2501**



**Énergie auxiliaire**

câble de raccordement (exemple): RKC 4.4T-2-RSC 4.4T N° identité U5264 ou RKC4.4T-2-RSC4.4T/TEL N° identité 6625208

**configuration des broches**



**Status: Station LED**

| LED | Color | Status            | Description   |
|-----|-------|-------------------|---|
| IOs |       | OFF               | pas d'alimentation en tension                       |
|     | ROUGE | ON                | alimentation en tension insuffisante                |
|     | ROUGE | CLIGNOTANT (1 Hz) | configuration de station divergente                 |
|     | ROUGE | CLIGNOTANT (4 Hz) | pas de communication de bus de module               |
|     | VERT  | ON                | station OK  |
|     | VERT  | CLIGNOTANT        | Mode Force actif                                    |
| BUS |       | OFF               | Keine Feldbus Kommunikation                         |
|     | GREEN | ON                | Feldbus Kommunikation aktiv                         |
|     | GREEN | FLASHING (1 Hz)   | No field bus communication active, device status OK |
|     | RED   | ON                | Bus error at the gateway; no data exchange          |
|     | RED   | FLASHING          | Faulty PROFIBUS-DP address                          |
| BUS |       | OFF               | Keine Feldbus Kommunikation                         |
|     | GREEN | ON                | Feldbus Kommunikation aktiv                         |
|     | GREEN | FLASHING (1 Hz)   | Keine Feldbuskommunikation aktiv, Gerätestatus OK   |
|     | RED   | ON                | Busfehler am Gateway; kein Datenaustausch           |
|     | RED   | FLASHING          | Fehlerhafte PROFIBUS-DP Adresse                     |

**Status: I/O LED**

| LED       | Color | Status             | Description   |
|-----------|-------|--------------------|---|
| D *       |       | OFF                | Pas de diagnostic activé                            |
|           | ROUGE | ON                 | Stations / Bus de module erreur de communication    |
|           | ROUGE | CLIGNOTANT (0.5Hz) | Diagnostic commun                                   |
| RW0 / RW1 |       | OFF                | No tag, diagnostic disabled                         |
|           | GREEN | ON                 | Tag available                                       |
|           | GREEN | FLASHING (2 Hz)    | Data exchange with tag enabled                      |
|           | RED   | ON                 | Read/write head fault                               |
|           | RED   | FLASHING (2 Hz)    | Short-circuit in the supply line of read/write head |

\* La LED „D“ indique aussi le diagnostic Gateway

## I/O Data Map

| INPUT               | BYTE    | Bit 7                          | Bit 6 | Bit 5  | Bit 4        | Bit 3     | Bit 2        | Bit 1        | Bit 0        |
|---------------------|---------|--------------------------------|-------|--------|--------------|-----------|--------------|--------------|--------------|
| RFID 1 <sub>0</sub> | 0       | Done                           | Busy  | Error  | Trans. Conn. | Trans. On | TP           | TFR          | -            |
|                     | 1       | Error Cat. (Category Code)     |       |        |              |           |              |              |              |
|                     | 2       | Error Desc. (Description Code) |       |        |              |           |              |              |              |
|                     | 3       | -                              | -     | -      | -            | -         | -            | -            | -            |
|                     | 4...11  | Read Data (8 Byte)             |       |        |              |           |              |              |              |
| RFID 1 <sub>1</sub> | 12      | Done                           | Busy  | Error  | Trans. Conn. | Trans. On | TP           | TFR          | -            |
|                     | 13      | Error Cat. (Category Code)     |       |        |              |           |              |              |              |
|                     | 14      | Error Desc. (Description Code) |       |        |              |           |              |              |              |
|                     | 15      | -                              | -     | -      | -            | -         | -            | -            | -            |
|                     | 16...23 | Read Data (8 Byte)             |       |        |              |           |              |              |              |
| OUTPUT              | BYTE    | Bit 7                          | Bit 6 | Bit 5  | Bit 4        | Bit 3     | Bit 2        | Bit 1        | Bit 0        |
| RFID 1 <sub>0</sub> | 0       | Transceiver                    | Next  | Tag ID | Read         | Write     | Tag Info.    | Trans. Info. | Reset        |
|                     | 1       | -                              | -     | -      | -            | -         | Byte Count 2 | Byte count 1 | Byte count 0 |
|                     | 2       | Address High Byte (MSB)        |       |        |              |           |              |              |              |
|                     | 3       | Address Low Byte (LSB)         |       |        |              |           |              |              |              |
|                     | 4...11  | Write Data (8 Byte)            |       |        |              |           |              |              |              |
| RFID 1 <sub>1</sub> | 12      | Transceiver                    | Next  | Tag ID | Read         | Write     | Tag Info.    | Trans. Info. | Reset        |
|                     | 13      | -                              | -     | -      | -            | -         | Byte Count 2 | Byte count 1 | Byte count 0 |
|                     | 14      | Address High Byte (MSB)        |       |        |              |           |              |              |              |
|                     | 15      | Address Low Byte (LSB)         |       |        |              |           |              |              |              |
|                     | 16...23 | Write Data (8 Byte)            |       |        |              |           |              |              |              |