



|                         |   |
|-------------------------|---|
| <b>Freeport</b>         |   |
| — Telegram length, max. | 1 kbyte   |
| — Bits per character    | 7 or 8  |
| — Number of stop bits   | 1 (Standard), 2   |
| — Parity                | No parity (standard); even, uneven, mark (parity bit always 1); space (parity bit always 0) |

|                         |   |
|-------------------------|---|
| <b>3964 (R)</b>         |   |
| — Telegram length, max. | 1 kbyte   |
| — Bits per character    | 7 or 8  |
| — Number of stop bits   | 1 (Standard), 2   |
| — Parity                | No parity (standard); even, uneven, mark (parity bit always 1); space (parity bit always 0) |

|                          |   |
|--------------------------|---|
| <b>Modbus RTU master</b> |   |
| — Address area           | 1 through 49 999 (Standard Modbus addressing)   |
| — Number of slaves, max. | 247; slave numbers 1 through 247, per MODBUS network segment maximum 32 devices, additional repeaters needed to expand the network to maximum configuration |

|                         |   |
|-------------------------|---|
| <b>MODBUS RTU slave</b> |   |
| — Address area          | 1 through 49 999 (Standard Modbus addressing) |

### Interrupts/diagnostics/status information

|                      |     |
|----------------------|-----|
| Diagnostics function | Yes |
|----------------------|-----|

### Degree and class of protection

|                         |      |
|-------------------------|------|
| IP degree of protection | IP20 |
|-------------------------|------|

### Standards, approvals, certificates

|                       |     |
|-----------------------|-----|
| CE mark               | Yes |
| CSA approval          | Yes |
| UL approval           | Yes |
| cULus                 | Yes |
| FM approval           | Yes |
| RCM (formerly C-TICK) | Yes |
| KC approval           | Yes |
| Marine approval       | Yes |

### Ambient conditions

|                     |                                       |
|---------------------|---------------------------------------|
| <b>Free fall</b>    |                                       |
| • Fall height, max. | 0.3 m; five times, in product package |

|   |        |
|---|--------|
| <b>Ambient temperature during operation</b> |        |
| • min.                                      | -20 °C |
| • max.                                      | 60 °C  |
| • horizontal installation, min.             | -20 °C |
| • horizontal installation, max.             | 60 °C  |
| • vertical installation, min.               | -20 °C |

|  |                           |
|--|---------------------------|
| • vertical installation, max.                            | 50 °C                     |
| • permissible temperature change                         | 5°C to 55°C, 3°C / minute |
| <b>Ambient temperature during storage/transportation</b> |                           |
| • min.   | -40 °C                    |
| • max.   | 70 °C                     |
| <b>Air pressure acc. to IEC 60068-2-13</b>               |                           |
| • Operation, min.  | 795 hPa                   |
| • Operation, max.  | 1 080 hPa                 |
| • Storage/transport, min.                                | 660 hPa                   |
| • Storage/transport, max.                                | 1 080 hPa                 |
| <b>Relative humidity</b>                                 |                           |
| • Operation at 25 °C without condensation, max.          | 95 %                      |
| <b>Mechanics/material</b>                                |                           |
| Enclosure material (front)                               |                           |
| • Plastic  | Yes                       |
| <b>Dimensions</b>  |                           |
| Width  | 38 mm                     |
| Height   | 62 mm                     |
| Depth  | 21 mm                     |
| <b>Weights</b>   |                           |
| Weight, approx.  | 40 g                      |
| <b>last modified:</b>                                    | 03/14/2020                |