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| **Standard Specifications** | Specification:Standard (ST) Critical (Cr) |
| **Material** | Brushed aluminium alloy, DIN rail mountable | St |
| **Dimensions** | not bigger than 80 x 90 x 30 mm  | St |
| **Power** | Input voltage: +8 ~ +32 VDC with SLOW START | St |
| **Operating temperature range** | -30°C ~ +70 °C, class A | St |
|  | -40 °C ~ +85 °C, class B | St |
| **MCU** | STMicroelectronics’ STM32F446 | St |
|  | – 32-bit ARM(R) Cortex™-M4 architecture; running at 168 MHz | St |
|  | – Built-in 256 KB Flash memory and 128 KB RAM | St |
| **Cellular technology** | M111 – Quad-band GSM / GPRS | St |
| **M113 – Dual mode LTE-M / with 2G fallback** | Cr |
| **Functional features** |  mPack: | Cr |
| – Dial-up connection | Cr |
| – TCP/UDP permanent client/server or on-demand client with two TCP/UDP sockets for failover | Cr |
| – Network connectivity watchdog | Cr |
| – Support for continuous SMS sending | Cr |
| – Conversion between Modbus RTU and Modbus TCP | Cr |
| – Configurable text and recipients upon the Last Gasp | Cr |
| **Interfaces** | **• RS-232, DB-9 connector** | Cr |
| • USB 2.0, Type-C connector | St |
| • Micro-Fit TM 4-pin connector: | St |
| – Power supply (on 2 pins) | St |
| – Digital input/output x 2 (on 2 pins) | St |
| – As analogue input: 0V ~ 48V DC | St |
| – As digital input/output: open collector; 200mA; 50V DC max. | St |
| • Cellular: SMA antenna connector | St |
| • SIM: 2FFi SIM 1.8 V / 3.0 V | St |
| • LED indicators: Two | St |
| **Important Supplier note** | Supplier to:1) provide technical assistance via phone,2) provide replacement unit for failed unit as per manufacturers guarantee and not defer the guarantee to any other party including manufacturer3) Specifications not as per the this document need to be highlighted by the supplier | Cr |