

## → Modules with alphanumeric layout

→ All modules have a combination of programmable and qwerty keys, each of which is programmable in four layers. The qwerty section is pre-programmed with qwerty content in two layers, and is changeable. The keyboard is available in different national layouts with printed covers for the qwerty section.



### → MID-QM128A

Ordering code: MID-QM128A

→ A module whose qwerty section occupies the lower 5 rows, and whose upper section of 3 rows comprises 48 keys with transparent covers.

: Connection:  
Two internal Tipro bus connectors (left and right side)

: Power consumption: 15 mA<sub>TYP</sub>  
: Dimensions:  
322 x 210 x 43 mm,  
weight 1470 g  
: Packaging dimensions:  
395 x 230 x 70 mm,  
weight 1760 g  
: Package content:  
keyboard, national cover set, transparent covers for single keys, blank labels for covering openings if controller is not built-in

### → Keyswitches

→ Long travel keyswitches

: Type: Cherry MX  
: Key travel: 4<sup>+0,0/</sup><sub>-0,4</sub> mm  
: Lifetime: 1×10<sup>9</sup> operations (typical)  
: Actuating force: 60 ± 20 cN  
: Contact material: AuAg10

