



## KM1002 | 16-channel digital input 24 V DC

The KM1002 terminal module combines 16 digital inputs with eight channels per plug connector in a compact design with high packing density. The control signals are transmitted (electrically isolated) to the higher-level automation device. Like the standard Bus Terminals, the terminal modules are integrated in the I/O system. Plug connectors with spring connections enable plug-in wiring and are available with 1 or 3 pins. LEDs integrated in the connector indicate the signal state for each channel directly at the wire.

Technical data	KM1002
Connection technology	plug
Specification	EN 61131-2, type 1
Number of inputs	16 (2 x 8)
Nominal voltage	24 V DC (-15 %/+20 %)
"0" signal voltage	-3...+5 V
"1" signal voltage	15...30 V
Input filter	typ. 3.0 ms
Input current	typ. 5 mA
Current consumption K-bus	typ. 3 mA
Current consumption power contacts	– (no power contacts)
Electrical isolation	500 V (K-bus/field potential)
Bit width in the process image	16 inputs
Configuration	no address or configuration setting
Dimensions (W x H x D)	26.5 mm x 100 mm x 71 mm
Weight	approx. 90 g with 1-pin connector, approx. 110 g with 3-pin connector
Operating/storage temperature	0...+55 °C/-25...+85 °C
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Protect. class/installation pos.	IP 20/variable
Approvals	CE

Ordering information	
KM1002-0000	16-channel DI (3.0 ms), without connector
KM1002-0001	16-channel DI (3.0 ms), 1-pin connector (no status LED)
KM1002-0002	16-channel DI (3.0 ms), 1-pin connector (with status LED)
KM1002-0004	16-channel DI (3.0 ms), 3-pin connector (with status LED)