



KL1512 | Up/down counter, 24 V DC, 1 kHz, 16 bit

The KL1512 Bus Terminal is an up/down counter. It transmits the counter state to the higher-level automation device in an electrically isolated manner. When it is used as a single-channel up/down counter (32 bit), the pulse is set via the clock input, while the count direction is set via the up/down input. The input can also be used as a gate input for triggering the counter. In two-counter mode, two separate counters (Clock and Clock1 inputs) with each 16 bit are available, which can be parameterised as up or down counters. The signal state of the inputs is indicated by light emitting diodes. The KL1512 is particularly suitable for simple counting tasks, e.g. in connection with flow meters.

Technical data	KL1512 KS1512
Connection technology	1 x up/down counter, 2 x up or down counter
Specification	EN 61131-2, type 1, "0": < 5 V DC, "1": > 15 V DC, typ. 5 mA
Number of counters	1 or 2
Nominal voltage	24 V DC (-15 %/+20 %)
"0" signal voltage	-3...+5 V (EN 61131-2, type 1)
"1" signal voltage	15...30 V (EN 61131-2, type 1)
Counting frequency	max. 1 kHz
Counter depth	16 bit
Input current	typ. 5 mA (EN 61131-2, type 1)
Current consumption K-bus	typ. 50 mA
Current consumption power contacts	load only
Electrical isolation	500 V (K-bus/field potential)
Bit width in the process image	input/output: 16 bit data, 8 bit control/status
Configuration	via the Bus Coupler or the controller
Special features	set counters
Weight	approx. 50 g
Operating/storage temperature	-25...+60 °C/-40...+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
Pluggable wiring	for all KSxxxx Bus Terminals
Approvals	CE, UL, Ex