



KL1154, KL1164 | 4-channel digital input terminal 24 V DC, switching to positive and negative potentials

The KL1154 and KL1164 digital input terminals acquire the binary control signals from the process level and transmit them, in an electrically isolated form, to the higher-level automation unit. The KL1154 and KL1164 versions have input filters of different speeds. Sensors that switch to the positive potential or to 0 V (ground) can be connected to the KL1154 and KL1164 versions. The Bus Terminals contain four channels that indicate their signal state by means of light emitting diodes.

Technical data	KL1154	KL1164
Number of inputs	4	
Nominal voltage	24 V DC (-15 %/+20 %)	
"0" signal voltage	7.6 V ... 17.4 V (at 24 V DC)	
"1" signal voltage	0 V ... 7 V and 18 V ... 30 V (at 24 V DC)	
Input filter	3.0 ms	0.2 ms
Input current	typ. 5 mA	
Current consump. from K-bus	typ. 8 mA	
Electrical isolation	500 V _{rms} (K-bus/field potential)	
Bit width in the process image	4 inputs	
Configuration	no address or configuration settings	
Weight approx.	55 g	
Operating/storage temperature	0 °C ... +55 °C/-25 °C ... +85 °C	
Relative humidity	95 %, no condensation	
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27/29	
EMC resistance burst/ESD	conforms to EN 61000-6-2/EN 61000-6-4	
Protect. class/installation pos.	IP 20/variable	