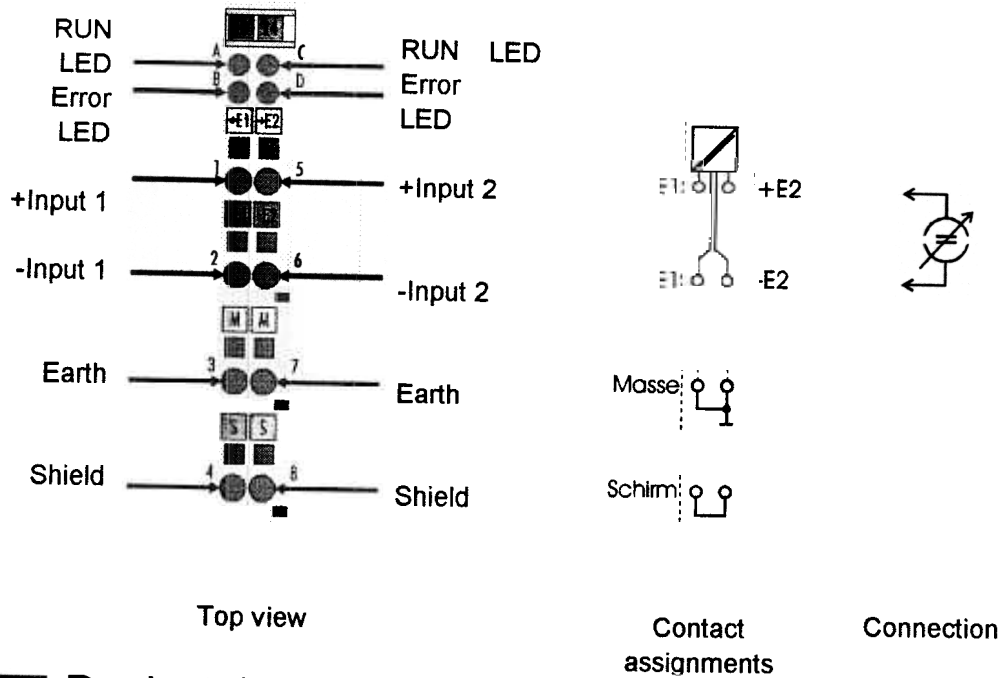


Farnell :7087433

## 2-channel analogue input terminal 0/4 - 20 mA KL3022



### Product description

The KL3012 and KL3022 analogue input terminals process signals within the range from 0 to 20 mA and 4 to 20 mA. The current is digitised with a resolution of 12 bits and is transported in an electrically isolated fashion to the higher-level bus system. The input channels of one bus terminal are differential inputs and possess one common earth potential. The KL3012 and KL3022 variants unite two channels in one housing. To protect against overloads, the input switches to a high-resistance state in the event of current in excess of 21.5 mA. The input circuit resumes the normal mode after the overload. The error LED indicates overloads and wire breakages.

Technical data	KL3012	KL3022
Number of inputs	2	
Power supply	via K bus	
Signal current	0 ... 20 mA	4 ... 20 mA
Internal resistance	50 $\Omega$ typ., high resistance if current > 21.5 mA	
Common mode voltage UCM	35 V max.	
Resolution	12 bits	
Surge voltage resistance	35 V DC	
Electrical isolation	500 Vrms (K bus / signal voltage)	
Curr cons of the Tbus	60 mA typ.	
Bit width in the K bus	48 bits	
Configuration	no address or configuration setting	
Housing	BKG 1122	
Weight approx.	80 g	
Operating temp	0°C ... +55°C	
Storage temp	-20°C ... +85°C	
Relative humidity	95%, no condensation	
Vibration/shock resistance	in conformity with IEC 68-2-6 / IEC 68-2-27	
EMC resistance Burst / ESD	in conformity with IEC 801-4 / IEC 801-2, severity 3	
Installation position	any	
Type of protection	IP20	