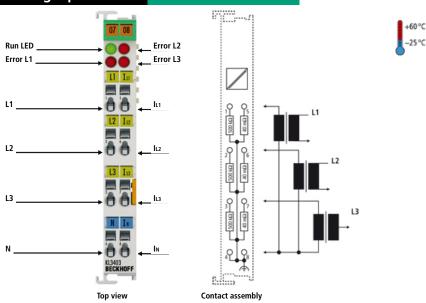
## Analog input KL3403



## KL3403 | 3-phase power measurement terminal

The KL3403 Bus Terminal enables the measurement of all relevant electrical data of the supply network. The voltage is measured via the direct connection of L1, L2, L3 and N. The current of the three phases L1, L2 and L3 is fed via simple current transformers. All measured currents and voltages are available as root-mean-square values. In the KL3403 version, the effective power and the energy consumption for each phase are calculated. Through the relationship of the root-mean-square values of voltage U \* current I and the effective power P, all other information such as the apparent power S or the phase shift angle cos can be derived. For each fieldbus, KL3403 provides a comprehensive network analysis and an energy management option.

Technical data	KL3403   KS3403
Number of inputs	3 phases + N
Technology	3-phase connection technique
Measured values	current, voltage, effective power, energy, cos , peak values U, I and P, frequency
Measuring voltage	max. 500 V AC 3~ (ULx-N: max. 288 V AC)
Resolution	16 bit (21 bit, internal)
Measuring current	max. 1 A, via measuring transformers x A/1 A
Measuring error	0.5 % relative to full scale value (U, I), 1 % calculated value
Measuring procedure	true RMS with 64,000 samples/s
Update time	50 ms per measured value preset, free configurable
Electrical isolation	1,500 V (K-bus/field potential)
Current consumption power contacts	– (no power contacts)
Current consumpt. K-bus	typ. 115 mA
Bit width in the process image	input/output: 3 x 16 bit data, 3 x 8 bit control/status
Special features	energy meter, power measurement, True RMS
Weight	approx. 75 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

Special terminals	
KL3403-0010	3-phase power measurement terminal, current path designed for 5 A transducer (1 % measuring accuracy I), operating/storage temperature: -25+60 °C/-40+85 °C
KL3403-0020	3-phase power measurement terminal, current path designed for 20 mA, optimised for electronic current transformer, operating/storage temperature: 0+55 °C/-25+85 °C
KL3403-0022	3-phase power measurement terminal, current path and voltage input designed for 20 mA, operating/storage temperature: 0+55 °C/-25+85 °C
KL3403-0333	3-phase power measurement terminal, 500 V AC, 333 mV AC, operating/storage temperature: 0+55 °C/-25+85 °C

## **X-ON Electronics**

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Controllers category:

Click to view products by Beckhoff manufacturer:

Other Similar products are found below :

CS1WCN223 CS1WCN713 CS1WKS001E 61F-11NH 61FGPN8DAC120 61F-GP-NT AC110 61F-GPN-V50-AC110 70177-1011 F03-03 HAS B F03-03 HAS C F03-31 81513201 81513535 81550401 FT1A-C12RA-W 88981106 H2CAC24A R88A-CAGA005S R88A-CRGB003CR-E R88ARR080100S R88A-TK01K DCN1-1 DTB4896VRE DTB9696CVE DTB9696LVE MR-50LF+ E53-AZ01 E53E8C E5CWLQ1TCAC100240 B300LKL21 NE1ASCPU02EIPVER11 NE1SCPU01 NE1SDRM21U NSCXDC1V3 NSH5-232CW-3M NT20SST122BV1 NV3Q-SW41 NV4W-ATT01 NV-CN001 OAS-160-N K31S6 K33-L1B K3TX-AD31A L595020 SRS2-1 G32X-V2K 26546803 26546805 26546831 CJ1W-OD204