



## ELX3152 | 2-channel analog input terminal 0/4...20 mA, single-ended, 16 bit, Ex i



The ELX3152 analog input terminal allows the direct connection of intrinsically safe field devices located in hazardous areas classified Zone 0/20 or 1/21. It supplies measuring transducers located in the field and transmits their analog measuring signals electrically isolated to the automation device. The EtherCAT Terminal indicates the signal state by means of light emitting diodes. The error LEDs indicate an overload condition and wire breakage.

Technical data	ELX3152
Technology	intrinsically safe sensors
Signal current	0/4...20 mA
Number of inputs	2 (single-ended)
Connection method	2- or 3-wire (default: 3-wire)
Resolution	16 bit (incl. sign)
Measuring error	< ±0.3 % (relative to full scale value)
Measuring resistance	typ. 100 Ω
Input filter limit frequency	5 kHz
Conversion time	typ. 1 ms
Supply voltage electronics	24 V DC (via power contacts), ELX9560 power supply
Current consumption power contacts	typ. 10 mA + load
Current consumption E-bus	typ. 85 mA
Distributed clocks	yes
Special features	standard and compact process image, activatable FIR/IIR filters, limit value monitoring, NE43 NAMUR
Weight	approx. 60 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/see documentation
Approvals	CE, Ex, IECEx

further Ex components	
ELXxxxx	EtherCAT Terminals with intrinsic safe in- and output
ELXxxxx-0090	EtherCAT Terminals with intrinsic safe in- and output and TwinSAFE SC
CPXxxxx	Multi-touch Panel PCs and multi-touch Control Panels for use in hazardous areas, Zone 2/22