



Top view

i ELX3252 | 2-channel analog input terminal, potentiometer, 16 bit, Ex i



The ELX3252 EtherCAT Terminal enables potentiometers located in hazardous areas classified Zone 0/20 or 1/21 to be connected directly. A stabilised power supply in the terminal and the ratiometric measurement of the input voltage offer the preconditions for precise measurement. On account of its high sampling rate and together with potentiometer position encoders, the compact 5-channel EtherCAT terminal represents an economical position detector.

Technical data	ELX3252
Number of inputs	2
Technology	ratiometric potentiometer evaluation with own supply, 3-wire connection
Resolution	16 bit (incl. sign)
Wiring fail indication	yes
Supply voltage electronics	24 V DC (via power contacts), ELX9560 power supply
Current consumption power contacts	dependent on the potentiometers
Distributed clocks	yes
Special features	open-circuit recognition, supply monitoring, activatable filters, simultaneous measurement of the channels
Weight	approx. 70 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/markings	CE, ATEX, IECEx
Ex-Marking	II 3(1)G Ex ec [ia Ga] IIC T4 Gc II (1)D [Ex ia Da] IIIC I (M1) [Ex ia Ma] I Ex ec [ia Ga] IIC T4 Gc [Ex ia Da] IIIC [Ex ia Ma] I

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

i Product announcement	estimated market release 3rd quarter 2019
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