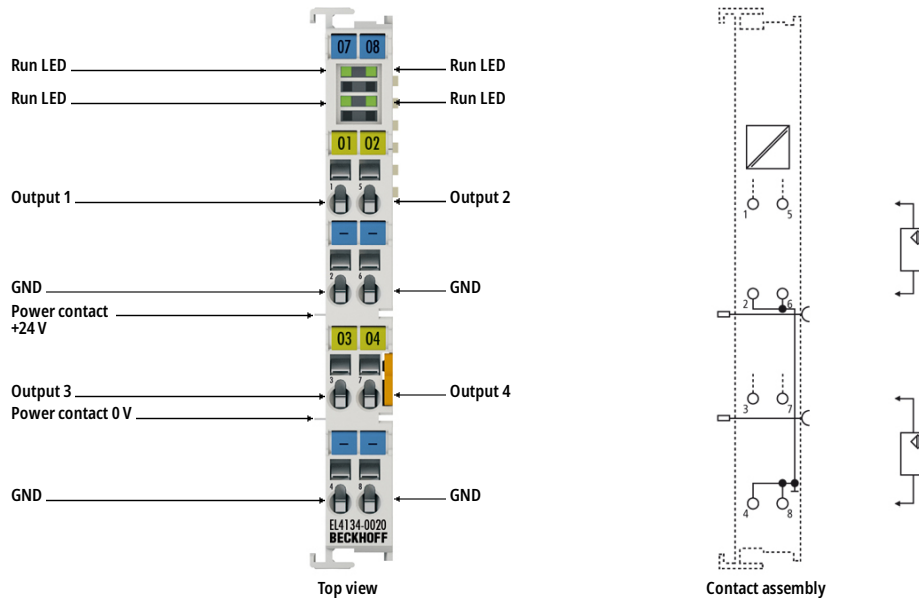
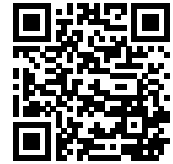


EL4134-0020 | EtherCAT Terminal, 4-channel analog output, voltage, ± 10 V, 16 bit, factory calibrated



i Product status: Product announcement | estimated market release on request, recommended alternative: EL4134-0030

The EL4134-0020 analog output terminal generates signals in the range between -10 and +10 V. The voltage is supplied to the process level with a resolution of 16 bits and is electrically isolated. The output channels of the EtherCAT Terminal have a common ground potential. The EL4134-0020 has four channels. The signal state of the EtherCAT Terminal is indicated by light emitting diodes.

The desired calibration certificate can be downloaded from [here](#) using the respective serial number.

Product information

Technical data

Technical data	EL4134-0020
Connection technology	2-wire, single-ended
Number of outputs	4
Power supply	via the E-bus
Signal voltage	-10...+10 V
Distributed clocks	yes
Distributed clock precision	$\ll 1 \mu\text{s}$
Load	$> 5 \text{ k}\Omega$ (short-circuit proof)
Output error	$< 0.1 \%$ (relative to end value)

Resolution	16 bit (incl. sign)
Electrical isolation	500 V (E-bus/signal voltage)
Output rate	max. 4 ksps
Calibration certificate (analog)	factory calibrated
Current consumption power contacts	–
Current consumption E-bus	typ. 265 mA
Bit width in the process image	4 x 16 bit AO output
Special features	Watchdog parameterizable; user synchronization can be activated; with calibration certificate.
Weight	approx. 65 g
Operating/storage temperature	0...+55 °C/-25...+85 °C
EMC immunity/emission	conforms to EN 61000-6-2/EN 61000-6-4
Relative humidity	95 %, no condensation
Vibration/shock resistance	conforms to EN 60068-2-6/EN 60068-2-27
Protect. rating/installation pos.	IP20/variable
Approvals/markings	CE, UL, ATEX
Ex marking	II 3 G Ex nA IIC T4 Gc

Housing data	EL-12-8pin
Design form	compact terminal housing with signal LEDs
Material	polycarbonate
Dimensions (W x H x D)	12 mm x 100 mm x 68 mm
Installation	on 35 mm DIN rail, conforming to EN 60715 with lock
Side by side mounting by means of	double slot and key connection
Marking	labeling of the BZxxx series
Wiring	solid conductor (e), flexible conductor (f) and ferrule (a): spring actuation by screwdriver
Connection cross-section	s*: 0.08...2.5 mm ² , st*: 0.08...2.5 mm ² , f*: 0.14...1.5 mm ²
Connection cross-section AWG	s*: AWG 28...14, st*: AWG 28...14, f*: AWG 26...16
Stripping length	8...9 mm
Current load power contacts	I _{max} : 10 A

*s: solid wire; st: stranded wire; f: with ferrule