



EL6224 | IO-Link terminal

IO-Link The EL6224 IO-Link terminal enables connection of up to four IO-Link devices, e.g. actuators, sensors or combinations of both. A point-to-point connection is used between the terminal and the device. The terminal is parameterised via the EtherCAT master. IO-Link is designed as an intelligent link between the fieldbus level and the sensor, allowing parameterisation information to be exchanged bidirectionally via the IO-Link connection. The parameterisation of the IO-Link devices with service data can be done from TwinCAT via ADS or very conveniently via the integrated IO-Link configuration tool.

In the standard setting, the EL6224 functions as a 4-channel input terminal, 24 V DC, which communicates with connected IO-Link devices, parameterises them and, if necessary, changes their operating mode.

Integration into the HD housing with 16 connection points enables each IO-Link device to be operated in 3-wire connection mode.

Additional 24 V and 0 V connection points can be realised via the EL918x potential distributor terminal.

Technical data	EL6224
Technology	IO-Link input/output
Specification version	IO-Link V1.1
IO-Link interfaces	4
Field voltage	24 V DC via power contacts
Connection	3-wire
Data transfer rates	4.8 kbaud, 38.4 kbaud and 230.4 kbaud
Cable length	max. 20 m
Power supply	via E-bus and power contacts
Electrical isolation	500 V (E-bus/signal voltage)
Power contacts	yes
Supply current for devices	500 mA per device
Current consumption E-bus	typ. 120 mA
Special features	each channel parameterisable in TwinCAT
Weight	approx. 60 g
Operating/storage temperature	0...+55 °C/-25...+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
Approvals	CE, UL, Ex

Related products	
EL6224-0090	EtherCAT Terminal, IO-Link master, IP 20, TwinSAFE SC
EP6224	EtherCAT Box, industrial housing, 4-channel IO-Link master, IP 67
EP6228	EtherCAT Box, industrial housing, 8-channel IO-Link master, IP 67
EPP6228	EtherCAT P Box, industrial housing, 8-channel IO-Link master, IP 67
KL6224	Bus Terminal, IO-Link master, IP 20
EPIxxxx, ERIxxxx	IO-Link box modules, IP 67

System	
IO-Link	For further IO-Link products please see the system overview .