



## KL6224 | IO-Link terminal

**IO-Link** The KL6224 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. IO-Link is designed as an intelligent link between the fieldbus level and the sensor, wherein parameterisation information can be exchanged bidirectionally via the IO-Link connection. The parameterisation of the IO-Link devices with service data can be done from TwinCAT via register communication or very conveniently via the integrated IO-Link configuration tool.

In the standard setting, the KL6224 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. The direct plug-in technique enables toolless construction.

Additional 24 V and 0 V connection points can be realised via the KL918x potential distributor terminal.

Technical data	KL6224
Technology	IO-Link
Number of channels	4
Specification version	IO-Link V1.1
Connection	3-wire
Data transfer rates	4.8 kbaud, 38.4 kbaud and 230.4 kbaud
Cable length	max. 20 m
Power supply	via K-bus and power contacts
Current consumption K-bus	typ. 85 mA
Current consumption power contacts	no data
Electrical isolation	500 V (K-bus/signal voltage)
Power contacts	yes
Nominal voltage	24 V DC (-15 %/+20 %)
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

Related products	
<b>EL6224</b>	EtherCAT Terminal, IO-Link master, IP 20
<b>EP6224</b>	EtherCAT Box, industrial housing, 4-channel IO-Link master, IP 67
<b>EP6228</b>	EtherCAT Box, industrial housing, 8-channel IO-Link master, IP 67
<b>EPxxxx, ERxxxx</b>	IO-Link box modules, IP 67

System

IO-Link

For further IO-Link products please see the [system overview](#).