



ERI2338-000x | 8-channel digital input or output 24 V DC

The ERI2338 IO-Link box has eight digital channels, each of which can optionally be operated as an input or as an output. A configuration for using a channel as input or output is not necessary; the input circuit is internally connected to the output driver, so that a set output is displayed automatically in the input process image.

The outputs handle load currents of up to 0.5 A, and although the total current is limited to 4 A, they are short-circuit proof and protected against inverse polarity. The state of each signal is indicated by means of light emitting diodes. The signals are connected via M8 (ERI2338-0001) or M12 connectors (ERI2338-0002).

The IO-Link box modules with zinc die-cast housing are ready for use in harsh industrial and process environments. With the fully sealed design and metal surfaces the ERI series is ideal for applications requiring enhanced load capacity and protection against weld spatter, for example.

Technical data	ERI2338-0001	ERI2338-0002
Communication	IO-Link	
Data transfer rates	230.4 kbaud (COM 3)	
Specification version	IO-Link V1.1, Class B	
Number of channels	8 digital inputs or outputs	
Input/output connections	M8, screw type	M12, screw type
Interfaces	1 x M12 plug, A-coded	
Input filter	3.0 ms (default), adjustable 0...20 ms	
"0" signal voltage	-3...+5 V (EN 61131-2, type 3)	
"1" signal voltage	11...30 V (EN 61131-2, type 3)	
Input current	typ. 3 mA (EN 61131-2, type 3)	
Sensor supply	from load supply voltage, max. 0.5 A, short-circuit proof in total	
Load type	ohmic, inductive, lamp load	
Rated load voltage	24 V DC (-15 %/+20 %)	
Max. output current	0.5 A per channel, individually short-circuit proof	
Short circuit current	max. 1.5 A	
Current consumption	typ. 100 mA from L+	
Auxiliary power current	typ. 20 mA + load	
Bit width in the process image	8 inputs + 8 outputs	
Electrical isolation	L+/2L+: yes	
Operating/storage temperature	-25...+60 °C/-40...+85 °C	
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 65/66/67 (conforms to EN 60529)/variable	
Approvals	CE, UL	

Related products	
EP6228	EtherCAT Box, industrial housing, 8-channel IO-Link master, IP 67
EP6224	EtherCAT Box, industrial housing, 4-channel IO-Link master, IP 67
EL6224	EtherCAT Terminal, IO-Link master, IP 20
KL6224	Bus Terminal, IO-Link master, IP 20