

# ZZ1060



## IO-Link interface

SET AL1060 IO-Link Master USB



Application	
Application	parameter setting and analysis of units
Components	USB IO-Link master: 1, AL1060
	Connection cable: 1 m, M12 A-coded, EVC012
	USB cable: 1 m, M12 B-coded, E12689
Electrical data	
Nominal voltage DC [V]	5; (USB)
Current consumption [mA]	< 1100; (USB)
Protection class	III
Sensor supply	24 V DC
Sensor supply - AUX	
Current rating per port [A]	0.65
Sensor supply - USB	
Current rating per port [A]	0.15
Inputs / outputs	
Number of inputs and outputs	Number of digital inputs: 2; Number of digital outputs: 2
Inputs	
Number of digital inputs	2; (IO-Link port Class A : 1 x 2)
Switching level high [V]	11...30
Switching level low [V]	0...5
Short-circuit protection digital inputs	yes
Outputs	
Number of digital outputs	2; (IO-Link port Class A: 1 x 2)
Max. current load per output [mA]	150

# ZZ1060



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Short-circuit proof	yes
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### Interfaces

Communication interface	IO-Link; USB
Number of USB interfaces	1

### IO-Link Master

Transmission type	COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud)
IO-Link revision	1.1
Number of ports class A	1

### USB

Version	USB 2.0
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### Operating conditions

Ambient temperature	[°C]	-25...50
Storage temperature	[°C]	-25...85
Max. relative air humidity	[%]	90
Protection		IP 65; IP 67

### Tests / approvals

EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-4	
Shock resistance	DIN EN 60068-2-27	
Vibration resistance	DIN EN 60068-2-64	
	DIN EN 60068-2-6	

### Mechanical data

Weight	[g]	388.3
Material		housing: PA; Socket: PA; lock nut: nickel-plated brass
Sealing material		FKM

### Displays / operating elements

Display	PWR	1 x LED, green/red voltage supply
	IO-Link	1 x LED, green/red communication
	DI/DO	1 x LED, orange digital input/output

### Accessories

Accessories (optional)	Switched-mode power supply 24 V DC.; M12 A-coded, E80121
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### Remarks

Pack quantity	1 pcs.
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### Electrical connection - AUX

Connector: 1 x M12; coding: A; Contacts: 4



1:	+ 24 V DC US
2:	not used
3:	GND US
4:	not used

# ZZ1060

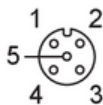


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### Electrical connection - IO-Link

Connector: 1 x M12; coding: A; Contacts: 4; sealing: FKM



- |    |                      |
|----|----------------------|
| 1: | Sensor supply US L+  |
| 2: | digital input/output |
| 3: | Sensor supply US L-  |
| 4: | IO-Link (C/Q)        |
| 5: | not used             |

### Electrical connection - USB

Connector: 1 x M12; coding: B; Contacts: 4



- |    |               |
|----|---------------|
| 1: | VBUS + 5 V DC |
| 2: | Data -        |
| 3: | Data +        |
| 4: | GND           |