

Signal tower	ST40	IO-Link
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The ST40 signal tower with a 360° all-round LED display is the perfect solution for fast and reliable signaling of machine and plant statuses. A far-reaching perception can be achieved with the optional siren.

Thanks to the integrated IO-Link interface, the product can be easily and seamlessly integrated into an existing IO-Link network.

The signal tower is the ideal choice for maintaining visibility, especially in confusing or spacious environments.



Features and benefits

- **Optimum status signalling**
 - All-round LED display for 360° visibility
 - Traffic light function as flashing or permanent light (green, yellow, red)
 - Optional siren as a continuous or pulse tone for better perception
- **Easy commissioning and installation**
 - Reduced installation time thanks to self-explanatory connections and intuitive mechanics
 - Base or single-hole installation with corresponding mounting accessories
- **IIoT ready with IO-Link interface**
 - IO-Link interface for seamless integration and communication in the latest IIoT control concepts
 - Can be combined with all IO-Link products
- **Use even in harsh environmental conditions**
 - Waterproof and dustproof
 - Wide temperature range
 - Long service life

Order code

ST40	.	1	X	2	.	3	X	8
Type		a	b			c	d	

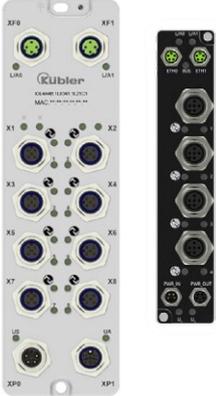
a Variant
1 = Multicolor (RGB)

b Acoustics
1 = without siren
2 = with siren (85 dB)

c Type of mounting
1 = single-hole mounting
2 = base mounting

d Interface
8 = IO-Link

Signal technology

Signal tower		ST40	IO-Link	
Accessories				Order no.
Bracket, concealed cable entry 	for signal tower with base mounting - concealed cable entry - PC/ABS black - 65 x 55 x 30 mm			6.0000.S080.0002
Angle bracket, profile rail mounting 	for signal tower with single-hole mounting - with cable gland - PC/ABS black - 70 x 41 x 37 mm			6.0000.S090.0002
IO-Link master 	The IO-Link masters from Kübler are available with the Ethernet/IP, EtherCAT and PROFINET protocols. Versions with 4 or 8 ports in Class A and Class B are available from stock. Existing field devices that send classic switching signals can also be operated per port in SIO mode.	4 Ports Class A 4 Ports Class A + 4 Ports Class B		I0L4A0B.1L8341.1L21C1 I0L4A4B.1L8341.1L21C1
Cables and connectors				Order no.
Preassembled cables	M12 male connector with external thread, 4-pin, A coded, straight single ended 2 m [6.56'] PUR cable			05.00.60H1.6411.0xxM

Further Kübler accessories can be found at: kuebler.com/accessories
 Further Kübler cables and connectors can be found at: kuebler.com/connection-technology

Signal technology

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Technical data

Mechanical characteristics	
Material	PC
Colors	housing black dome green, yellow, red
Protection acc. to EN 60529	IP66/IP69k
Working temperature range	-30 °C ... +60 °C [-22 °F ... +140 °F]
Weight	depending on version
Connection	Push-in terminals
Strand cross-section	0,25 ... 1,50 mm ² [AWG24 ... AWG16]
Cable entry	through hole, max. ø 9 mm
Mounting type	base mounting single-hole mounting
Dimensions	H = depending on version ø = 40 mm

Optical characteristics	
Light source	LED
Light colour	green, yellow, red
Optical signal image	blinking, permanent light
Blinking frequency	1 Hz
Service life optical	max. 50.000 h

Acoustic characteristics (siren)	
Volume max.	85 dB
Acoustic signal image	Pulse tone, continuous tone
Sound frequency	2900 Hz
Service life, acoustic	min. 5.000 h

Electrical characteristics	
Supply voltage	24 V DC
Operating voltage frequency	50 Hz
Operating voltage tolerance	±10 %
Rated operating voltage	24 V DC
Rated operational current	40 mA
Rated inrush current	500 mA
Protection class	3
Pollution degree	3
Requirement for external PSU	SELV/PELV

Approvals	
EAC Certificate	yes
WEEE	yes
CE compliant in accordance with	
EMC Directive	2014/30/EU
RoHS Directive	2011/65/EU

Terminal assignment

Push-in connection terminal, 4-pin					
Signal:	Supply voltage 0 V (GND)	IO-Link communication (Data line)	Supply voltage +V DC	Reserved (no function)	
Abbreviation:	L-	C/Q	L+	res.	
Pin connection terminal:	1	2	3	4	
For IO-Link connection cable with connector					
Core color:	BU	BK	BN	WH	
Pin connector:	3	4	1	2	

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Dimensions

Dimensions in mm [inch]

Signal tower without siren

Signal tower with siren

