PSD-SC IOL S9 AE - Signal tower

1801971

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CRA READY

Signal tower, 9 segments, IO-Link, with siren

Product description

The signal tower is intended for signaling machine and system states. You can individually configure the individual segments of the illuminated surface in terms of color, brightness, and lighting effect. You can integrate the signal tower into various networks via an IO-Link master. By integrating the IODD device description file into software tools, such as the PLCnext Engineer automation software, you can configure the signal tower centrally. Extended parameters and diagnostic data can be read acyclically from the PLC and written via ISDU objects.

Your advantages

- Flexible use
- Four different operating modes: signal tower mode, autoscale mode, filling level mode, and individual mode
- IO-Link specification V1.1
- Connection to an IO-Link master with M12 connector
- IP66/IP69K

Commercial data

Item number	1801971
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DR07
Product key	DRL112
GTIN	4067923424562
Weight per piece (including packing)	610 g
Weight per piece (excluding packing)	570 g
Customs tariff number	85318070
Country of origin	DE

Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area

Product properties

Product type	Signaling device
Product family	PSD-SC
MTTF	41 Years

Insulation characteristics

Protection class	III
Overvoltage category	I
Pollution degree	3

Electrical properties

Current consumption	typ. 445 mA
Power consumption	typ. 10.68 W

Supply

Supply voltage (DC)	24 V DC ±20 %
Supply voltage range	19.2 V DC ... 28.8 V DC
Current consumption	typ. 445 mA

Input data

IO-Link

Number of ports	1
Connection method	M12 connector
Specification	V1.1
Transmission speed	230.4 kbps (COM3)
Cycle Time	min. 6 ms

Connection data

Connection method	M12 connector, 4-pos.

Signaling

Number of segments	9
Signal element type	optical
	acoustic
Service life (Lamp)	max. 50000 h
Service life (acoustic element)	min. 5000 h
	Continuous tone

Type of acoustic signal	Pulse tone
	Alternating tone
	Sweep tone
	Rising
	Falling
Type of optical signal	Blinking light (Frequency configurable)
	Permanent light
	Rotating light
	Flashing light
	Double flash
	Triple flash
Number of tones	10 (preset)
Volume	max. 105 db(A) (Within 1 m distance)
Volume range	80 db(A) ... 105 db(A)

Light properties

Source of light type	LED
Light color	multi-colored (configurable)

Dimensions

Height	271 mm (Including seal)
Diameter	72.5 mm

Material specifications

Color (Housing)	black (RAL 9005)
Color (Calotte)	Transparent white
Material	Polycarbonate

Environmental and real-life conditions

Ambient conditions

Degree of protection (IP)	IP66
	IP69K
Degree of protection (IK)	IK08 (Impact resistance level)
Degree of protection (UL type)	UL Type 4
	UL Type 4X
	UL Type 12
	UL Type 13
Ambient temperature (operation)	-30 °C ... 60 °C (Temperatures >50°C can significantly reduce the brightness and service life of the device)

EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Conformance with EMC directives	Immunity test in accordance with EN IEC 61000-6-2 Electrostatic discharge (ESD)IEC 61000-4-2 Criterion B, ±4 kV contact discharge, +8 kV air discharge

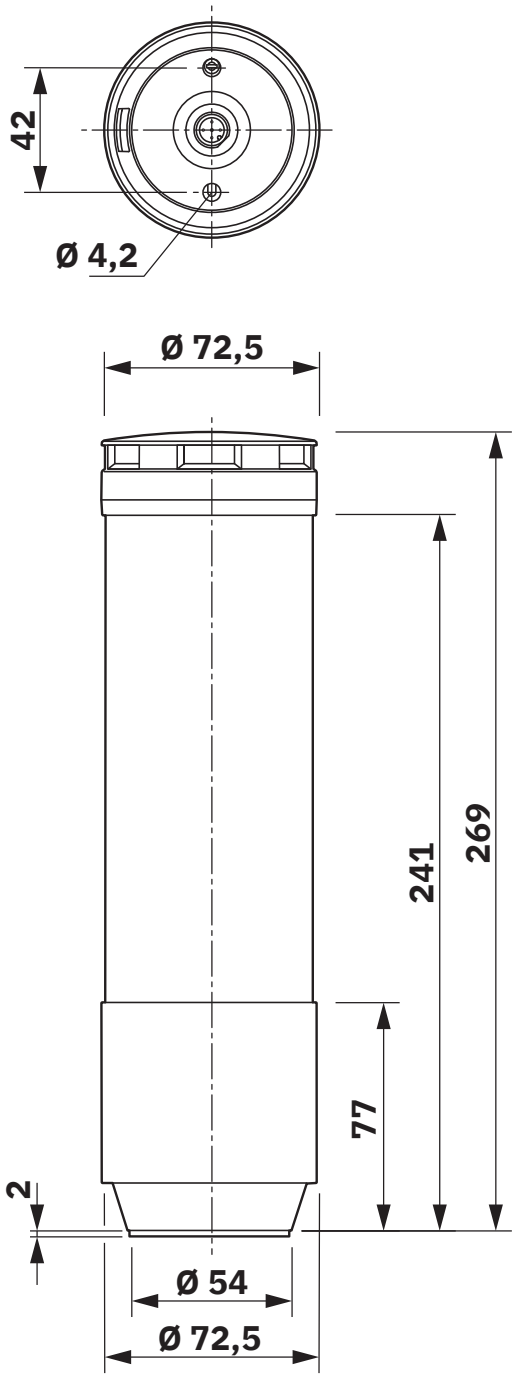
	Immunity test in accordance with EN IEC 61000-6-2 Electromagnetic fieldsIEC 61000-4-3 Criterion AField strength: 10 V/m (80 MHz ... 1 GHz)Field strength: 3 V/m (1 GHz ... 6 GHz)
	Immunity test in accordance with EN IEC 61000-6-2 Fast transients (burst)IEC 61000-4-4 Criterion B, +2 kV
	Immunity test in accordance with EN IEC 61000-6-2 Transient overvoltage (surge)IEC 61000-4-5 Criterion B, DC supply lines: 0.5 kV (symmetrical)
	Immunity test in accordance with EN IEC 61000-6-2 Conducted interferenceIEC 61000-4-6 Criterion A, Test voltage 10 V
	Noise emission test in accordance with EN IEC 61000-6-4 Class A

Mounting

Mounting type	Base mounting
	Tube mounting

Drawings

Dimensional drawing



Dimensions (in mm)

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1801971

cULus Listed
Approval ID: E123528

Classifications

ECLASS

ECLASS-13.0	27371220
ECLASS-15.0	27371220

ETIM

ETIM 10.0	EC000232

UNSPSC

UNSPSC 21.0	46171600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead titanium zirconium oxide(CAS: 12626-81-2)
	Lead(CAS: 7439-92-1)

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