

PSD-S MUX SET/UL - Wireless elements



2701566
<https://www.phoenixcontact.com/sg/products/2701566>

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Wireless multiplexer set with C-UL-US approval for mirroring the status of a signal tower to **one** other signal tower; set consists of a master with external antenna and a slave with internal antenna, 24 V AC/DC, black

Your advantages

- Existing signal towers can be extended without additional wiring
- Can be operated parallel to other wireless applications
- Range of a wireless element with a free line of sight of up to 300 m

Commercial data

Item number	2701566
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	DRL115
Catalog page	Page 347 (C-8-2013)
GTIN	4046356801966
Weight per piece (including packing)	102.2 g
Weight per piece (excluding packing)	102.2 g
Customs tariff number	85318095
Country of origin	DE

Technical data

Product properties

Product type	Wireless element
Scope of delivery	1 transmitter module (slave) and 1 receiver module (master)
Number of mountable signal elements	4 (on both master and slave)

Electrical properties

Master

Interfaces	USB, for configuration
Operating voltage	24 V DC (pos. + neg. logic)
Maximum inrush current	430 mA
Current consumption	max. 40 mA (internal current consumption) max. 860 mA (total current of the elements above the master)

Slave

Interfaces	USB, for configuration
Operating voltage	24 V AC/DC
Maximum inrush current	430 mA
Current consumption	max. 40 mA

Interfaces

Functions

Wireless licenses	USA, Canada
Country support	USA Canada

Wireless

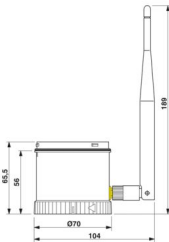
Modulation type	2 FSK
Frequency	913 MHz
Frequency band	915 MHz
Transmission power	10 dBm (at 50 Ohm)
Range	max. 300 m
Transmission speed	38.4 kbps

Dimensions

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Dimensional drawing	
Height	65.5 mm
Diameter	70 mm
Note on dimensions	with perpendicular antenna: width 104 mm, height 189 mm

Material specifications

Color	black
Material	Polycarbonate PC

Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP65 (when installed or with end cover)
Ambient temperature (operation)	-20 °C ... 50 °C

EMC data

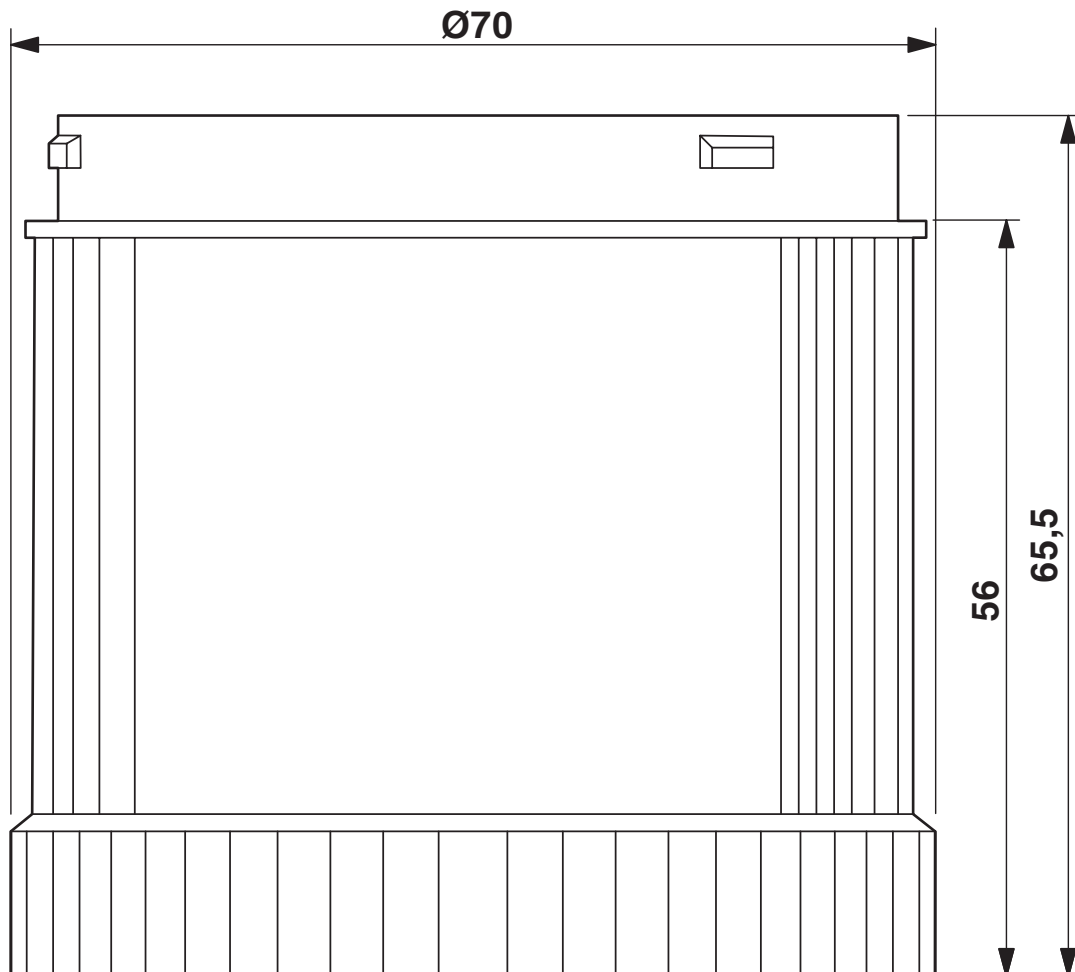
Electromagnetic compatibility	Conforms with guidelines: FCC Part 15.249/IC: RSS-210 Issue 8, RSS-GEN Issue 4, RSS-102 Issue 4
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Mounting

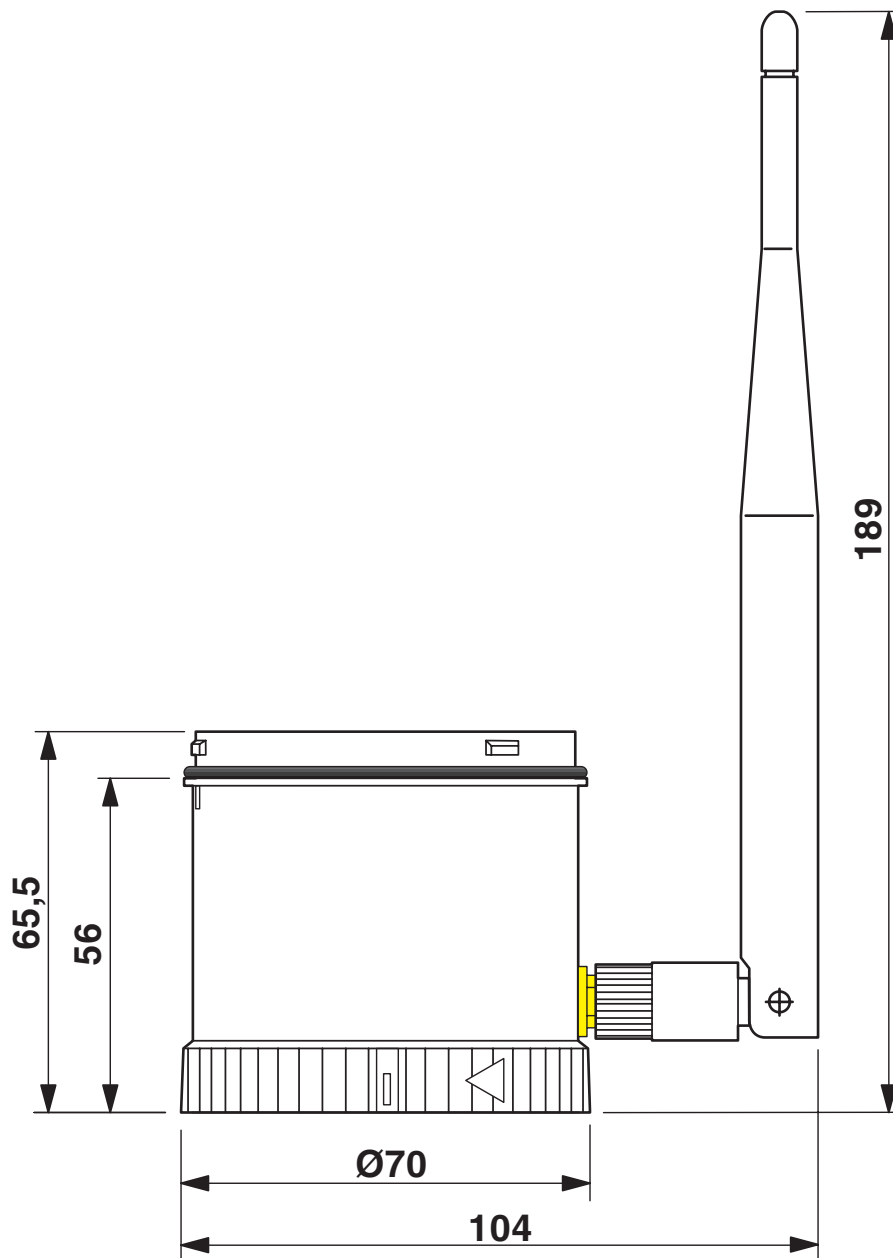
Assembly note	Rubber seal pre-installed for each element
Mounting position	The master and slave are the bottom element in the signal tower

Drawings

Dimensional drawing



Dimensional drawing



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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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