MURR ELEKTRONIK

stay connected

Modlight60 Pro-RGB multifunctional signal tower

with buzzer module, IO-Link, connection M12 4-pole
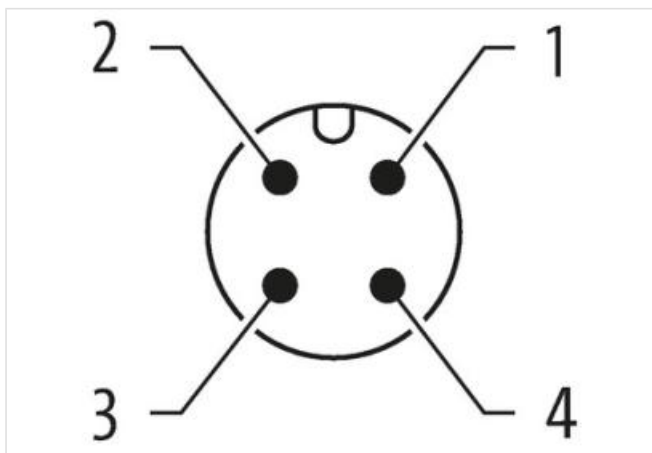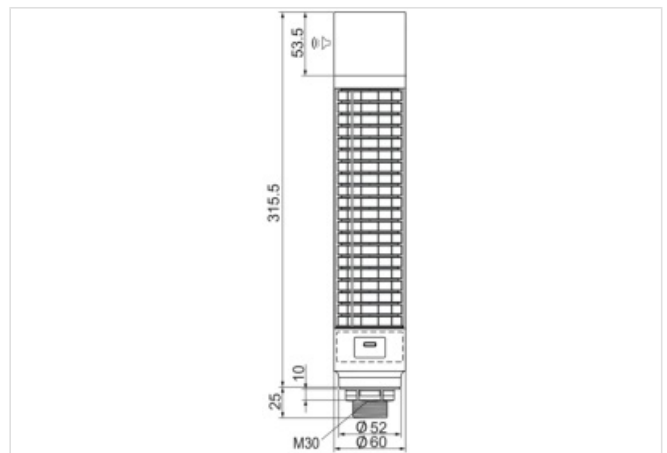
Art.No.: 4000-76060-0000002
Weight: 0.63
Country of origin: ID
Model designation: Modlight60 Pro-RGB M12-4U-B-IOL

The Modlight®60 Pro-RGB IO-Link signal tower is a versatile,cost-effective solution for applications requiring a stack light.With 20 RGB LED slices, 21 adjustable colors and 10 differentlight patterns, it offers a wide range of clear and eye-catchingsignaling options. The LED brightness is adjustable and there isan eco-mode that reduces brightness by 50 percent to increaseenergy efficiency. By selecting the version with a buzzer, whichoffers 8 different tones, you can also incorporate individualacoustic signals where needed. The 2 different IODDs enableindividual control of the RGB LED slices (colors, light patterns,and animations) via process data.

Link to Product

Illustration

Product may differ from Image

CE (20) c(UL)us UKCA IO-Link

Header

Material short text	Modlight60 Pro-RGB M12-4U-B-IOL

Commercial data	
Manufacturer name	Murrelektronik
URL Webshop	https://shop.murrelektronik.com/4000-76060-0000002
GTIN	4065909084274
ECLASS-6.0	27371220
ECLASS-6.1	27110390
ECLASS-7.0	27110390
ECLASS-8.0	27110390
ECLASS-9.0	27110350
ECLASS-10.1	27110350
ECLASS-11.1	27110350
ECLASS-12.0	27110350
ETIM-5.0	EC000232
ETIM-6.0	EC000232
ETIM-7.0	EC000232
ETIM-8.0	EC000232
customs tariff number	85318070
EAN	4065909084274
Packaging unit	1

Electrical data	Supply	
Operating voltage type	DC
Operating voltage DC	24 V
Operating voltage DC min.	18 V
Operating voltage DC max.	30 V
Current consumption	250 mA
Current consumption max.	300 mA
Additional condition current consumption	at operating voltage with IO-Link communication

Electrical data	Input	
Max. inrush current	30 A
Max. inrush current duration	0.1 ms

Industrial communication	IO-Link	
IO-Link type	Device
Port Class	A
IO-Link revision ID	V1.1.3
IO-Link transmission rate	COM2 (38.4 kbit/s)
Vendor ID	0x12F (303)
Device ID (delivery status, decimal)	1,048,579
IO-Link process data length input (delivery status)	2 Bytes
IO-Link process data length output (delivery status)	8 Bytes
IO-Link cycle time min. (delivery status)	49 ms
Device ID (decimal)	1,048,580
IO-Link process data length input	2 Bytes
IO-Link process data length output	24 Bytes
IO-Link cycle time min.	10 ms
IO-Link SIO-Mode	yes

HMI	
Buzzer volume min.	0 %
Buzzer volume max.	100 %
Buzzer volume steps	10 %
Sound pressure at 1 m	88 dB

HMI	Illumination properties	

Type of illuminant	LED
Type of LED control	IO-Link
Number of operation modes	3
Number of lighting colors	21
Number of lighting patterns	10
Dimming setting min.	0 %
Dimming setting max.	100 %
Continous light	yes
Blink-light	yes
Blinking frequency	120, 30, 90
Flash light	yes
Flashing frequency	120, 60, 90
Luminous intensity red	2,020 mcd
Luminous intensity yellow	3,740 mcd
Luminous intensity green	6,230 mcd
Luminous intensity blue	2,200 mcd
Luminous intensity white	3,740 mcd

Diagnostics	
LED display	IO-Link mode

**Installation	Connection**	
Dielectric strength DC (IEEE 802.3)	500 V

**Device protection	Electrical**	
Insulation resistance min.	5 mΩ

**Device protection	Media**	
Degree of protection mounted, upright (EN IEC 60529)	IP65
Degree of protection mounted, upside down (EN IEC 60529)	IP40

**Mechanical data	Material data**	
Material housing	PC
Color housing	black

**Mechanical data	Mounting data**	
Net weight	630 g
Height	340.5 mm
Width	60 mm
Depth	60 mm
Mounting method	Hexagonal nut
Torque mounting type	45 Nm
Suitable for mounting type	Direct mounting

**Environmental characteristics	Electromagnetic compatibility**	
Interference emission	EN IEC 61000-6-4
Immunity to interference	EN IEC 61000-6-2

**Environmental characteristics	Climatic**	
Ambient temperature min.	-20 °C
Ambient temperature max.	50 °C
Storage temperature min.	-30 °C
Storage temperature max.	60 °C
Relative humidity max. (operation)	90 % no condensation
Relative humidity max. (storage, transport)	90 %
Assembly location	Interior

**Technical Data	Reliability**	

MTBF	0 h
Additional condition MTTF, MTBF	40 °C

Environmental product conformity	
REACH	(EC) No 1907/2006
REACH-SVHC	Lead (Pb) EC 231-100-4; CAS 7439-92-1, (EC) No 1907/2006
RoHS	2011/65/EU & (EU)2015/863 Exception 6c, 7a & 7c1
California Proposition 65	Ni CAS No. 7440-02-0
WEEE	2012/19/EU, Category 6
Halogen-free-Material	Material not Halogen-free
Pb-free-Material	Material not Pb-free

Conformity	
Product standard	EN IEC 63000, IEC/EN 61000-6-2, IEC/EN 61000-6-3
CE	2014/30/EU, 2011/65/EU
UKCA	Electromagnetic Compatibility Regulations 2016, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
EMC	IEC/EN 61000-6-2, IEC/EN 61000-6-3

Approvals	
UL	E172109
ULc	CSA C22.2 No. 14
FCC Part 15 Subpart B	Class A
ICES-003	Class A

Connection type 1	
Family construction form	M12
No. of poles	4
Coding	A
Gender	male
PIN 1	L +
PIN 2	n.c.
PIN 3	L -
PIN 4	C / Q / IO-Link