



# Focus Product Manual



**Auer Signal**

# PC7

Nothing but perfect.



 **IO-Link**

#### CONTACT LOGIC

- central

#### FEATURES

- leading performance and brightness
- offers all led light/sound features even for special industrial solutions
- leading performance and competitiveness with multi-colour and M12 solutions
- future oriented and advantageous central contacting system

#### INDUSTRY/APPLICATION

- plant/mechanical/construction engineering
- automation solutions
- electrical wholesale

# PC7 modular signal tower

- Ø 70 mm / 2.76 Inch modular signal tower
- Up to 6 times brighter than comparable signal towers
- 7 positions provide maximum flexibility
- Two visual appearances available with the new diffuser
- Even brighter top light module with hemispherical signalling effect
- New LED light modules with multi colour, rotating light, multi function and steady light functions
- Multitone module now also available as an inline module
- New multi-tone alarm sounder module for the best possible tone quality and variety
- Innovative MP3/voice output module for playing back audio formats
- Patented, cost-effective M12 bases

## TECHNICAL DATA

Housing	Ø 70 mm / 2.76 Inch, Polycarbonate black
Lens	Polycarbonate, amber, red, clear, blue, green, yellow or magenta
Leakage current	3 mA
Beacon type	LED steady beacon, LED flashing beacon, LED strobe beacon or LED multi strobe beacon
Light source	LEDs
Tone	see tone table
Volume	100-105 dB (depending on module)
Duty cycle	100 %
Service life	Light source: LED 100,000 hours
Number of possible modules	max. 7
Operating temperature	-30°C / +70°C   -22°F / +158°F
Degree of protection	IP 66/ IP67 & UL Type 4/4x/13
Impact resistance	IK08
Weight (modules)	48-166 g   0.11-0.37 lbs



## PC7 Pre-assembled signal towers



Order no.: PC7-Q07  
Colours: red/amber/green  
Function: Top LED steady/flashing beacon (red) + LED steady beacon  
Nominal voltage: 24 V AC/DC  
Type of mounting: Tube mounting  
 (100 mm | 3.94 Inch tube length)



Order no.: PC7-Q06  
Colours: red/amber/green  
Function: LED multifunctional module (red) + LED steady beacon  
Nominal voltage: 24 V AC/DC  
Type of mounting: Tube mounting  
 (100 mm | 3.94 Inch tube length)



Order no.: PC7-Q05  
Colours: red/amber/green/blue  
Function: LED steady beacon  
Nominal voltage: 24 V AC/DC  
Type of mounting: Tube mounting  
 (100 mm | 3.94 Inch tube length)

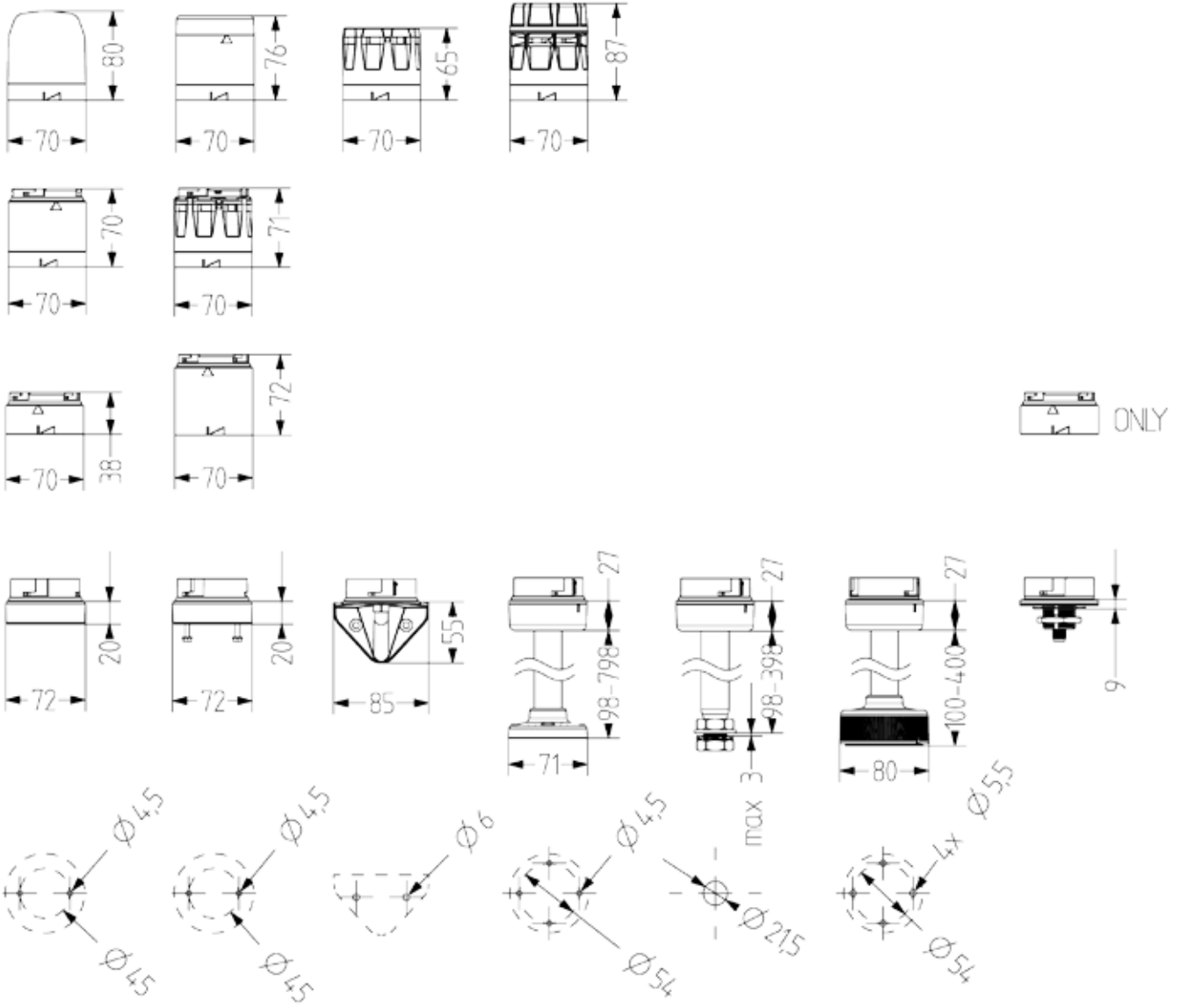


Order no.: PC7-Q02  
Colours: red/green  
Function: LED steady beacon  
Nominal voltage: 24 V AC/DC  
Type of mounting: Tube mounting  
 (100 mm | 3.94 inch tube length)



Order no.: PC7-Q01  
Colours: red/amber/green  
Function: LED steady beacon  
Nominal voltage: 24 V AC/DC  
Type of mounting: Tube mounting  
 (100 mm | 3.94 Inch tube length)

PC7



# PC7 Order numbers



## VISUAL MODULES

Type	Productname	amber	red	clear	blue	green	yellow	magenta
PC7DC	LED steady light module	910 011 405	910 012 405	910 014 405	910 015 405	910 016 405	910 017 405	910 018 405
PC7DF	LED multifunctional module	910 021 405	910 022 405	910 024 405	910 025 405	910 026 405	910 027 405	910 028 405
PC7DR	LED rotating light module	910 031 405	910 032 405	910 034 405	910 035 405	910 036 405	910 037 405	910 038 405
PC7DM	LED multi colour module	910 040 405						



## VISUAL TOP MODULES

Type	Productname	amber	red	clear	blue	green	yellow	magenta
PC7DCB	Top LED steady/flashing light beacon module	910 111 405	910 112 405	910 114 405	910 115 405	910 116 405	910 117 405	910 118 405
PC7DFB	Top LED multi strobe beacon module	910 121 405	910 122 405	910 124 405	910 125 405	910 126 405	910 127 405	910 128 405
PC7DRB	Top LED rotating light beacon module	910 131 405	910 132 405	910 134 405	910 135 405	910 136 405	910 137 405	910 138 405
PC7DMB	Top LED multi colour module	910140 405						



## AUDIBLE MODULES

Type	Productname	Order Number
PC7ZM	Top Multi-tone module	910 510 405
PC7ZI	Multi-tone module	910 520 405
PC7TD	Top Multi-tone siren module	910 530 405
PC7VS	Top MP3/voice output module	910 540 405

# PC7 Order numbers

## BASE MODULES & ACCESSORIES

Type	Productname	Order Number
PC7BLV	Low-voltage upper base section, up to 7 modules	910 771 405
PC7BHV3	High-voltage upper base section, up to 3 modules	910 772 313
PC7BHV7	High-voltage upper base section, up to 7 modules	910 773 313
PC7MW	Base for horizontal mounting, with NPT 1/2" thread	910 710 900
PC7MS	Base for horizontal mounting with pre-mounted fixing screws, with NPT 1/2" thread	910 720 900
PC7MV	Base for vertical mounting	910 730 900
PC7MR	Aluminium tube base with plastic foot, 100mm   3.94 Inch	910 742 900
PC7MR	Aluminium tube base with plastic foot, 250mm   9.84 Inch	910 743 900
PC7MR	Aluminium tube base with plastic foot, 400mm   15.75 Inch	910 744 900
PC7MR	Aluminium tube base with plastic foot, 600mm   23.62 Inch	910 746 900
PC7MR	Aluminium tube base with plastic foot 800mm   31.5 Inch	910 747 900
PC7MP	PC7MP Base for third-party tube mounting on 25 mm   .98 Inch Ø tube	910 760 900
PC7RS	Aluminium tube base with screw, 100mm   3.94 Inch	910 752 900
PC7RS	Aluminium tube base with screw, 250mm   9.84 Inch	910 753 900
PC7RS	Aluminium tube base with screw, 400mm   15.75 Inch	910 754 900
PC7MC5	Base with integrated 5-pin M12 connector	910 781 405
PC7MC8	Base with integrated 8-pin M12 connector	910 782 405
PC7FR	"Foot adapter" quick mounting system on aluminium tube, 100mm   3.94 Inch	910 792 405
PC7FR	"Foot adapter" quick mounting system on aluminium tube, 250mm   9.84 Inch	910 793 405
PC7FR	<b>Discontinued</b> "Foot adapter" quick mounting system on aluminium tube, 400mm   15.75 Inch	<b>910 794 405</b>
PC7ASI20	AS-Interface V2.0 4-bit	910 775 200
PC7ASI30	AS-Interface V3.0 4-bit	910 775 300
PC7LD	Diffusor foil	910 000 900
XWR	Plastic bracket for vertical mounting of signal tower tube bases	900 600 900
BVB	Metal bracket for vertical mounting of signal tower tube bases	200 550 900
XSS	Set for vertical mounting	900 700 900
PC7TM	Transition module to use Modul-Perfect Modules with a Modul-Signal 70 base	910 800 900
PC7MC5IO	IO-Link base with 5-Pin M12 connector	910 781 781
PC7BLVIO	IO-Link base	910 771 771



# MS50

the Proven

## FEATURES

- complete offering of led steady, flashing, strobe and multi-strobe beacons
- modular signal tower system with bayonet locking
- quick to put together and easy, cost- effective to dismantle for transportation

## INDUSTRY/APPLICATION

- plant/mechanical/construction engineering
- logistics facilities
- electrical wholesale





# MS50 modular signal tower

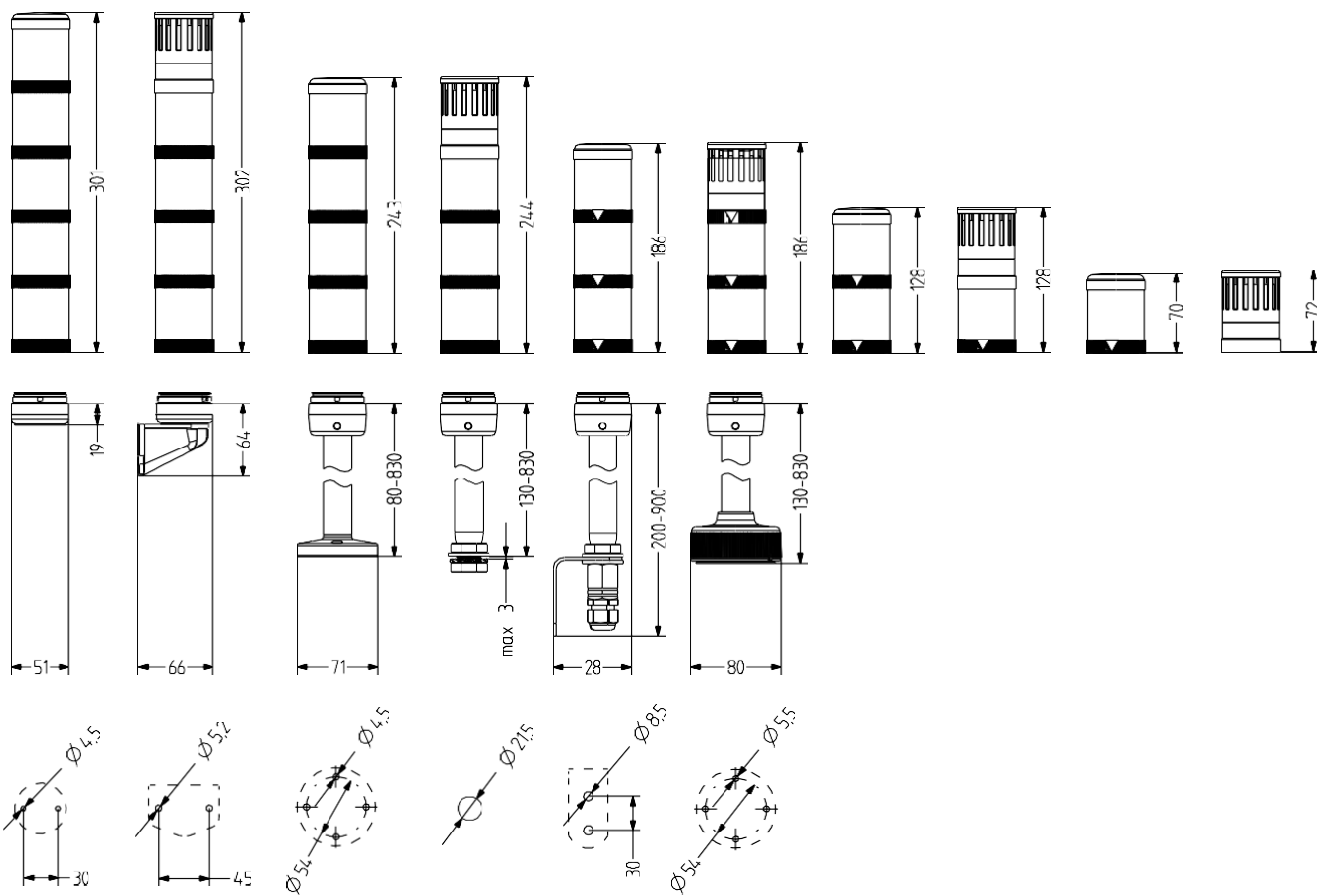
- Ø 50 mm | 1.97 Inch modular signal tower series
  - Extensive range of light and tone modules
  - LED/xenon/incandescent bulb technology,  
6 different lens colours
  - Alternatively operated with conventional  
incandescent bulb technology
  - Piezo buzzer modules
- Extensive range of mounting types
- Housing colours black or grey
  - PLC-suitable
  - High degree of protection IP65, UL type 4/4X/13

## TECHNICAL DATA

Housing	Ø 50 mm   1.97 Inch, Polycarbonate black (RAL 9005) or grey (RAL 7035)
Lens	Polycarbonate, ribbed inside amber, red, clear, blue, green or yellow
Type of mounting	any
Connection technology	2,5 mm², B15d socket
Leakage current	3 mA (PLC-suitable)
Beacon type	LED steady beacon, LED flashing beacon, LED strobe beacon, LED multi strobe beacon, Steady/flashing beacon (incandescent bulb) or Xenon strobe beacon
Light source	LEDs, Xenon flashtube, incandescent bulb
Luminous intensity	1 J Strobe energy
Strobe/flash frequency	Flashing beacon 2 Hz and Strobe beacon 1.4 Hz
Tone	2 Tones, Steady tone or Pulsing tone
Volume	88-103 dB (can be adjusted with DIP switch)
Tone frequency	2.700 Hz
Duty cycle	100 %
Service life:	Light source: Xenon tube 10 million flashes, LED 100,000 hours
Number of possible modules	max. 5
Operating temperature	-25 °C / +50 °C   -13 °F / +122 °F
Degree of protection:	IP65 & UL Type 4/4x/13
Weight (modules)	55-100 g   0.12-0.22 lbs



# MS50



# MS50 Order numbers



## VISUAL MODULES

Type	Beacon type	Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Order number
VLL	Steady beacon	amber	12-250 V AC/DC	+/- 10 %		750 001 900
		red	12-250 V AC/DC	+/- 10 %		750 002 900
		clear	12-250 V AC/DC	+/- 10 %		750 004 900
		blue	12-250 V AC/DC	+/- 10 %		750 005 900
		green	12-250 V AC/DC	+/- 10 %		750 006 900
		yellow	12-250 V AC/DC	+/- 10 %		750 007 900
VLB	Flashing beacon	amber	12-24 V AC/DC	+/- 10 %		760 001 405
			110-120 V AC	+/- 10 %		760 001 310
			230-240 V AC	+/- 10 %		760 001 313
		red	12-24 V AC/DC	+/- 10 %		760 002 405
			110-120 V AC	+/- 10 %		760 002 310
			230-240 V AC	+/- 10 %		760 002 313
		clear	12-24 V AC/DC	+/- 10 %		760 004 405
			110-120 V AC	+/- 10 %		760 004 310
			230-240 V AC	+/- 10 %		760 004 313
		blue	12-24 V AC/DC	+/- 10 %		760 005 405
			110-120 V AC	+/- 10 %		760 005 310
			230-240 V AC	+/- 10 %		760 005 313
		green	12-24 V AC/DC	+/- 10 %		760 006 405
			110-120 V AC	+/- 10 %		760 006 310
			230-240 V AC	+/- 10 %		760 006 313
		yellow	12-24 V AC/DC	+/- 10 %		760 007 405
			110-120 V AC	+/- 10 %		760 007 310
			230-240 V AC	+/- 10 %		760 007 313
VDC	LED steady beacon	amber	110-120 V AC	+/- 10 %	33	751 001 310
			230-240 V AC	+/- 10 %	36	751 001 313
			24 V AC/DC	+/- 10 %	29	751 001 405
		red	110-120 V AC	+/- 10 %	33	751 002 310
			230-240 V AC	+/- 10 %	36	751 002 313
			24 V AC/DC	+/- 10 %	29	751 002 405
		clear	110-120 V AC	+/- 10 %	33	751 004 310
			230-240 V AC	+/- 10 %	36	751 004 313
			24 V AC/DC	+/- 10 %	29	751 004 405
		blue	110-120 V AC	+/- 10 %	33	751 005 310
			230-240 V AC	+/- 10 %	36	751 005 313
			24 V AC/DC	+/- 10 %	29	751 005 405
		green	110-120 V AC	+/- 10 %	33	751 006 310
			230-240 V AC	+/- 10 %	36	751 006 313
			24 V AC/DC	+/- 10 %	29	751 006 405
		yellow	110-120 V AC	+/- 10 %	33	751 007 310
			230-240 V AC	+/- 10 %	36	751 007 313
			24 V AC/DC	+/- 10 %	29	751 007 405

VDA	LED flashing beacon	amber	24 V AC/DC	+/- 10 %	30	761 001 405	
			110-120 V AC	+/- 10 %	34	761 001 310	
	Discontinued	blue	24 V AC/DC	+/- 10 %	30	761 005 405	
			110-120 V AC	+/- 10 %	34	761 005 310	
	green	24 V AC/DC	+/- 10 %	30	761 006 405		
		110-120 V AC	+/- 10 %	34	761 006 310		
	red	24 V AC/DC	+/- 10 %	30	761 002 405		
		110-120 V AC	+/- 10 %	34	761 002 310		
	yellow	24 V AC/DC	+/- 10 %	30	761 007 405		
		110-120 V AC	+/- 10 %	34	761 007 310		
		24 V AC/DC	+/- 10 %	29	751 006 405		
	VDF	LED strobe beacon	amber	110-120 V AC	+/- 10 %	24	771 001 310
				230-240 V AC	+/- 10 %	24	771 001 313
				24 V AC/DC	+/- 10 %	89	771 001 405
			red	110-120 V AC	+/- 10 %	24	771 002 310
230-240 V AC				+/- 10 %	24	771 002 313	
24 V AC/DC				+/- 10 %	89	771 002 405	

# MS50 Order numbers

## VISUAL MODULES

Type	Beacon type	Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Order number
VLF	Xenon strobe beacon	amber	12-24 V AC/DC	+/- 10 %	70	770 001 405
			110-120 V AC	+/- 10 %	26	770 001 310
			230-240 V AC	+/- 10 %	15	770 001 313
		red	12-24 V AC/DC	+/- 10 %	70	770 002 405
			110-120 V AC	+/- 10 %	26	770 002 310
			230-240 V AC	+/- 10 %	15	770 002 313
		clear	12-24 V AC/DC	+/- 10 %	70	770 004 405
			110-120 V AC	+/- 10 %	26	770 004 310
			230-240 V AC	+/- 10 %	15	770 004 313
		blue	12-24 V AC/DC	+/- 10 %	70	770 005 405
			110-120 V AC	+/- 10 %	26	770 005 310
			230-240 V AC	+/- 10 %	15	770 005 313
		green	12-24 V AC/DC	+/- 10 %	70	770 006 405
			110-120 V AC	+/- 10 %	26	770 006 310
			230-240 V AC	+/- 10 %	15	770 006 313
		yellow	12-24 V AC/DC	+/- 10 %	70	770 007 405
			110-120 V AC	+/- 10 %	26	770 007 310
			230-240 V AC	+/- 10 %	15	770 007 313

## AUDIBLE MODULES

Type	Tone	Volume	Nominal voltage	Housing colour	
				black	grey
VDE	Piezo buzzer module	88-103 dB	12 V AC/DC	781 500 404	781 100 404
			24 V AC/DC	781 500 405	781 100 405
			110-120 V AC	781 500 310	781 100 310
			230-240 V AC	781 500 313	781 100 313
VDZ	Piezo buzzer module, tone can be switched externally	88-103 dB	12 V AC/DC	782 500 404	782 100 404
			24 V AC/DC	782 500 405	782 100 405
			110-120 V AC	782 500 310	782 100 310
			230-240 V AC	782 500 313	782 100 313



# MS50 Order numbers

## BASE MODULES

Items in Pink are Discontinued

Type	Designation	Tube length	Housing colour	
			grey	black
VMW	Base for horizontal mounting M20		790 120 900	790 520 900
VNW	Base for vertical mounting NPT 1/2"		790 130 900	790 530 900
VMR	Tube base mounted on aluminium tube with plastic foot	50 mm   1.97 Inch		790 541 900
		100 mm   3.94 Inch	790 142 900	790 542 900
		250 mm   9.84 Inch	790 143 900	790 543 900
		400 mm   15.75 Inch	790 144 900	790 544 900
		800 mm   31.5 Inch		790 547 900
VSR	Tube base on stainless steel tube with die-cast zinc foot, powder-coated	100 mm   3.94 Inch		790 552 900
VSW	Tube base for horizontal mounting with aluminium tube and screw	50 mm   1.97 Inch	790 171 900	790 571 900
		100 mm   3.94 Inch	790 172 900	790 572 900
		250 mm   9.84 Inch	790 173 900	790 573 900
		400 mm   15.75 Inch	790 174 900	790 574 900
		800 mm   31.5 Inch		790 577 900
VFR	Tube base on aluminium tube with foot adapter for quick mounting	100 mm   3.94 Inch	790 182 900	790 582 900
		250 mm   9.84 Inch	790 183 900	790 583 900
		400 mm   15.75 Inch		790 584 900
VMV	Base for vertical mounting		790 140 900	790 540 900



VMW



VNW



VMR



VSR

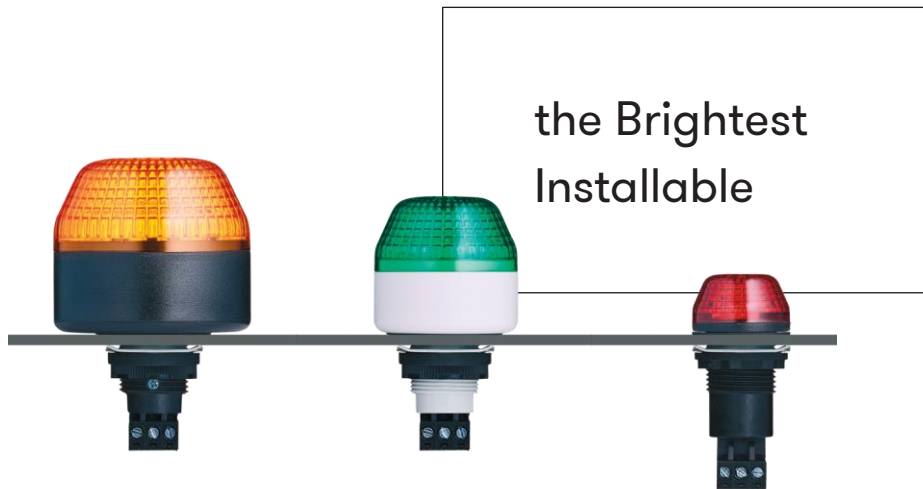


VSW



VFR

# Series M22

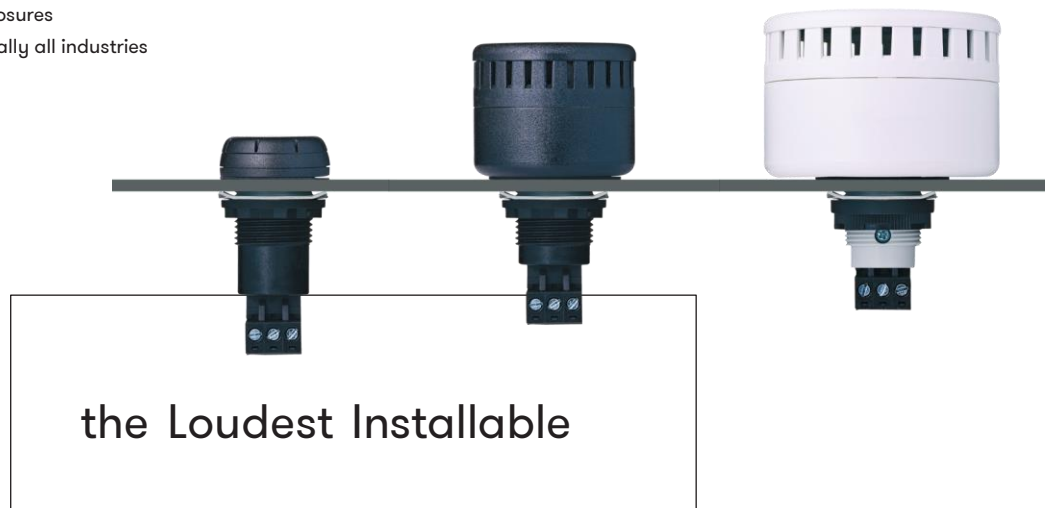


## FEATURES

- Ø 30/45/65 mm | 1.18/1.77/2.56 Inch led panel mount beacons
- IP65 in panel mount condition
- light functions externally switchable via terminal
- excellent front/side signalling effect
- dual and triple colour models also available
- excellent price/performance ratio
- 

## INDUSTRY/APPLICATION

- for industrial and general applications
- for switch cabinet/panels and enclosures
- for versatile applications in practically all industries



## FEATURES

- IP65 in panel mount condition
- 2 respectively 3 tone types externally switchable
- sound pressure infinitely adjustable (ESM/ESG), even in panel mount condition
- excellent price/performance ratio

## INDUSTRY/APPLICATION

- for switch cabinet/panels and enclosures
- for versatile applications in industrial/general applications

# Series M22

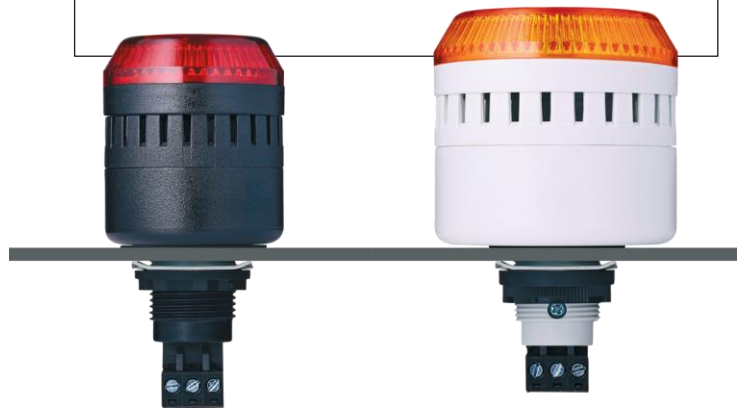
## FEATURES

- standard models with synchronized tone and light
- (continuous tone/led steady light - pulsing tone/led flashing light)
- high IP65 rating in panel mount condition
- sound pressure infinitely adjustable even in panel mount condition
- excellent price/performance ratio
- optional models available with separately switchable tone and light

## INDUSTRY/APPLICATION

- for switch cabinet/panels and enclosures
- for versatile applications in industrial/general applications too

the loudest &  
brightest installable





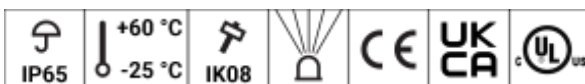
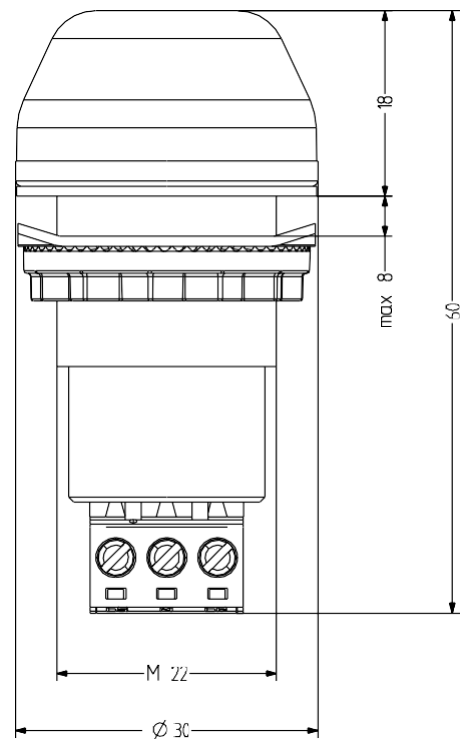
# ISS M22 panel mount LED strobe beacon

- Ø 30 mm | 1.18 Inch panel-mount LED strobe beacon
- Good signalling effect
- High degree of protection IP 65
- User-friendly connection technology thanks to plug-in screw terminal
- Modern LED technology and electronics
- For industrial and general applications
- Panel size Ø 22.5 mm | 0.89 Inch /M22
- Adapter available for M 30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 30 mm   1.18 Inch, Polycarbonate black (RAL 9005) or grey (RAL 7035)
Lens	Polycarbonate, ribbed inside amber or red
Type of mounting	any
Panel size	22x1,5 mm   0.87x0.06 Inch (M22) and 30.5 mm   1.2 Inch (with adapter), mounting depth 47 mm   1.85 Inch
Connection technology	Screw/plug-in terminal 2,5 mm <sup>2</sup>
Leakage current	3 mA (PLC-suitable)
Beacon type	LED strobe beacon
Light source	6 LEDs Strobe/flash frequency 1 Hz
Duty cycle	100%
Service life	Light source: 100.000 h
Operating temperature	-25°C/+60°C   13 °F / 140 °F
Degree of protection	IP65 & UL Type 4/4x/13



# ISS

## ORDER DATA

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				black	grey
amber	12 V AC/DC	+/- 10 %	60	800 511 404	800 111 404
	24 V AC/DC	+/- 10 %	46	800 511 405	800 111 405
	110-120 V AC/DC	+/- 10 %	18	800 511 310	800 111 310
	230-240 V AC/DC	+/- 10 %	21	800 511 313	800 111 313
red	12 V AC/DC	+/- 10 %	60	800 512 404	800 112 404
	24 V AC/DC	+/- 10 %	46	800 512 405	800 112 405
	110-120 V AC/DC	+/- 10 %	18	800 512 310	800 112 310
	230-240 V AC/DC	+/- 10 %	21	800 512 313	800 112 313



ADM30



WZ30

## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WZ30	Mounting tool for M22 mounting products with Ø 30 mm   1.18 Inch		812 400 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900

# ICM / ICL M22 panel mount LED multi strobe beacon

- Ø 45 mm | 1.77 Inch / Ø 65 mm | 2.56 Inch panel mount LED multi-strobe beacon
- Good signalling effect
- High degree of protection IP 65
- User-friendly connection technology thanks to plug-in screw terminal
- Prewired model versions with IP 67 on request
- Modern LED technology and electronics
- 2 different strobe patterns, can be switched externally
- For industrial and general applications
- Panel size Ø 22.5 mm | 0.89 Inch/M22
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 45 mm   1.77 Inch / Ø 65 mm   2.56 Inch Polycarbonate black (RAL 9005) or grey (RAL 7035)
Lens	Polycarbonate, ribbed inside amber or red
Type of mounting	any
Panel size	22x1,25 mm   0.87x0.05 Inch (M22) and 30.5 mm   1.2 Inch (with adapter), mounting depth 34 mm   1.34 Inch
Cable entry	pre-wired at customer's request
Connection technology	Screw/plug-in terminal 2,5 mm <sup>2</sup>
Leakage current	3 mA (PLC-suitable)
Beacon type	LED multi strobe beacon
Light source	9 / 12 LEDs
Strobe/flash frequency	Double strobe and 6x strobe
Duty cycle	100 %
Service life	Light source: 100.000 h
Operating temperature	-25°C/+60°C   13 °F / 140 °F
Degree of protection	IP65 & UL Type 4/4x/13



# ICM / ICL Order numbers

## ICM

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				grey	black
amber	24 V AC/DC	+/- 10 %	110	801 121 405	801 521 405
	110-120 V AC	+/- 10 %	33	801 121 310	801 521 310
	230-240 V AC	+/- 10 %	33	801 121 313	801 521 313
red	24 V AC/DC	+/- 10 %	110	801 122 405	801 522 405
	110-120 V AC	+/- 10 %	33	801 122 310	801 522 310
	230-240 V AC	+/- 10 %	33	801 122 313	801 522 313

## ICL

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (A)	Housing colour	
				grey	black
amber	24 V AC/DC	+/- 10 %	155	802 121 405	802 521 405
	110-120 V AC	+/- 10 %	45	802 121 310	802 521 310
	230-240 V AC	+/- 10 %	45	802 121 313	802 521 313
red	24 V AC/DC	+/- 10 %	155	802 122 405	802 522 405
	110-120 V AC	+/- 10 %	45	802 122 310	802 522 310
	230-240 V AC	+/- 10 %	45	802 122 313	802 522 313

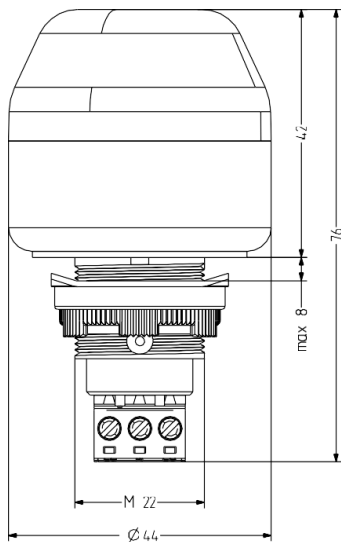


ADM30

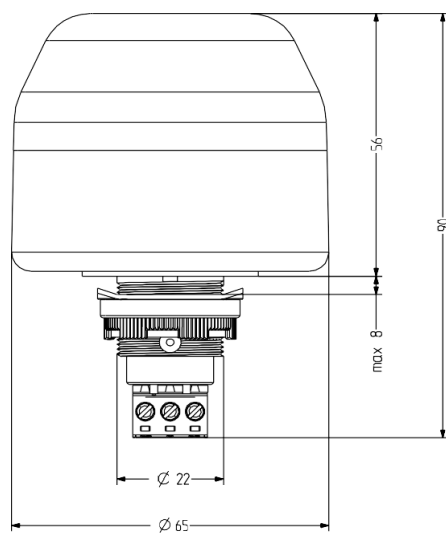
## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900
WM22I	Indoor Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 910

## ICM



## ICL



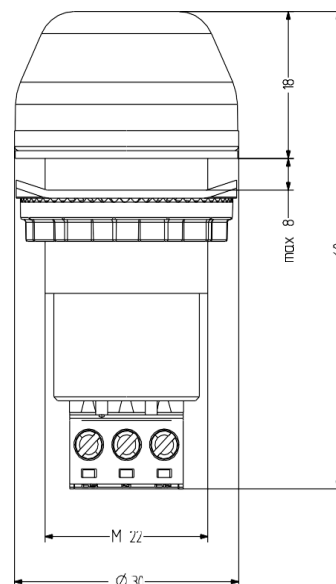
# IBS / IBM / IBL M22 panel mount LED steady/flashing beacon

- Ø 30 mm | 1.18 Inch / Ø 45 mm | 1.77 Inch / Ø 65 mm | 2.56 Inch panel mount LED steady/flashing beacon
- Good signalling effect
- High degree of protection IP 65
- User-friendly connection technology
- Adapter available for M30.5 mm | 1.2 Inch panel size
- Modern LED technology and electronics
- Steady/flashing light, can be switched externally
- For industrial and general applications
- Panel size Ø 22.5 mm | 0.89 Inch/M22



## TECHNICAL DATA

Housing	Ø 30 mm   1.18 Inch / Ø 45 mm   1.77 Inch / Ø 65 mm   2.56 Inch Polycarbonate black (RAL 9005) or grey (RAL 7035)
Lens	Polycarbonate, ribbed inside amber, red, clear, blue, green or yellow
Type of mounting	any
Panel size	22x1,5   0.87x0.06 Inch (M22) and 30.5 mm   1.2 Inch (with adapter), mounting depth 47 mm   1.85 Inch
Connection technology	Screw/plug-in terminal 2,5 mm <sup>2</sup>
Leakage current	3 mA (PLC-suitable)
Beacon type	LED steady beacon or LED flashing beacon
Light source	6 / 9 / 12 LEDs
Strobe/flash frequency	2 Hz
Duty cycle	100%
Service life	Light source: 100.000 h
Operating temperature	-25°C/+60°C   13 °F / 140 °F
Degree of protection	IP65 & UL Type 4/4x/13
Weight	30 / 55 / 75 g   0.07 / 0.12 / 0.17 lbs



# IBS / IBM / IBL Order numbers

## IBS

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				grey	black
amber	12 V AC/DC	+/- 10 %	45	800 101 404	800 501 404
	24 V AC/DC	+/- 10 %	26	800 101 405	800 501 405
	110-120 V AC	+/- 10 %	18	800 101 310	800 501 310
	230-240 V AC	+/- 10 %	19	800 101 313	800 501 313
red	12 V AC/DC	+/- 10 %	45	800 102 404	800 502 404
	24 V AC/DC	+/- 10 %	26	800 102 405	800 502 405
	110-120 V AC	+/- 10 %	18	800 102 310	800 502 310
	230-240 V AC	+/- 10 %	19	800 102 313	800 502 313
clear	12 V AC/DC	+/- 10 %	45	800 104 404	800 504 404
	24 V AC/DC	+/- 10 %	26	800 104 405	800 504 405
	110-120 V AC	+/- 10 %	18	800 104 310	800 504 310
	230-240 V AC	+/- 10 %	19	800 104 313	800 504 313
blue	12 V AC/DC	+/- 10 %	45	800 105 404	800 505 404
	24 V AC/DC	+/- 10 %	26	800 105 405	800 505 405
	110-120 V AC	+/- 10 %	18	800 105 310	800 505 310
	230-240 V AC	+/- 10 %	19	800 105 313	800 505 313
green	12 V AC/DC	+/- 10 %	45	800 106 404	800 506 404
	24 V AC/DC	+/- 10 %	26	800 106 405	800 506 405
	110-120 V AC	+/- 10 %	18	800 106 310	800 506 310
	230-240 V AC	+/- 10 %	19	800 106 313	800 506 313
yellow	12 V AC/DC	+/- 10 %	45	800 107 404	800 507 404
	24 V AC/DC	+/- 10 %	26	800 107 405	800 507 405
	110-120 V AC	+/- 10 %	18	800 107 310	800 507 310
	230-240 V AC	+/- 10 %	19	800 107 313	800 507 313

# IBS / IBM / IBL Order numbers

## IBM

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				black	grey
amber	12 V AC/DC	+/- 10 %	62	801 501 404	801 101 404
	24 V AC/DC	+/- 10 %	37	801 501 405	801 101 405
	110-120 V AC	+/- 10 %	30	801 501 310	801 101 310
	230-240 V AC	+/- 10 %	30	801 501 313	801 101 313
red	12 V AC/DC	+/- 10 %	62	801 502 404	801 102 404
	24 V AC/DC	+/- 10 %	37	801 502 405	801 102 405
	110-120 V AC	+/- 10 %	30	801 502 310	801 102 310
	230-240 V AC	+/- 10 %	30	801 502 313	801 102 313
clear	12 V AC/DC	+/- 10 %	62	801 504 404	801 104 404
	24 V AC/DC	+/- 10 %	37	801 504 405	801 104 405
	110-120 V AC	+/- 10 %	30	801 504 310	801 104 310
	230-240 V AC	+/- 10 %	30	801 504 313	801 104 313
blue	12 V AC/DC	+/- 10 %	62	801 505 404	801 105 404
	24 V AC/DC	+/- 10 %	37	801 505 405	801 105 405
	110-120 V AC	+/- 10 %	30	801 505 310	801 105 310
	230-240 V AC	+/- 10 %	30	801 505 313	801 105 313
green	12 V AC/DC	+/- 10 %	62	801 506 404	801 106 404
	24 V AC/DC	+/- 10 %	37	801 506 405	801 106 405
	110-120 V AC	+/- 10 %	30	801 506 310	801 106 310
	230-240 V AC	+/- 10 %	30	801 506 313	801 106 313
yellow	12 V AC/DC	+/- 10 %	62	801 507 404	801 107 404
	24 V AC/DC	+/- 10 %	37	801 507 405	801 107 405
	110-120 V AC	+/- 10 %	30	801 507 310	801 107 310
	230-240 V AC	+/- 10 %	30	801 507 313	801 107 313

# IBS / IBM / IBL Order numbers

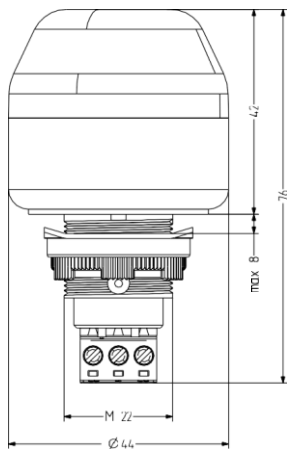
## IBL

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				black	grey
amber	12 V AC/DC	+/- 10 %	80	802 501 404	802 101 404
	24 V AC/DC	+/- 10 %	60	802 501 405	802 101 405
	110-120 V AC	+/- 10 %	30	802 501 310	802 101 310
	230-240 V AC	+/- 10 %	31	802 501 313	802 101 313
red	12 V AC/DC	+/- 10 %	80	802 502 404	802 102 404
	24 V AC/DC	+/- 10 %	60	802 502 405	802 102 405
	110-120 V AC	+/- 10 %	30	802 502 310	802 102 310
	230-240 V AC	+/- 10 %	31	802 502 313	802 102 313
clear	12 V AC/DC	+/- 10 %	80	802 504 404	802 104 404
	24 V AC/DC	+/- 10 %	60	802 504 405	802 104 405
	110-120 V AC	+/- 10 %	30	802 504 310	802 104 310
	230-240 V AC	+/- 10 %	31	802 504 313	802 104 313
blue	12 V AC/DC	+/- 10 %	80	802 505 404	802 105 404
	24 V AC/DC	+/- 10 %	60	802 505 405	802 105 405
	110-120 V AC	+/- 10 %	30	802 505 310	802 105 310
	230-240 V AC	+/- 10 %	31	802 505 313	802 105 313
green	12 V AC/DC	+/- 10 %	80	802 506 404	802 106 404
	24 V AC/DC	+/- 10 %	60	802 506 405	802 106 405
	110-120 V AC	+/- 10 %	30	802 506 310	802 106 310
	230-240 V AC	+/- 10 %	31	802 506 313	802 106 313
yellow	12 V AC/DC	+/- 10 %	80	802 507 404	802 107 404
	24 V AC/DC	+/- 10 %	60	802 507 405	802 107 405
	110-120 V AC	+/- 10 %	30	802 507 310	802 107 310
	230-240 V AC	+/- 10 %	31	802 507 313	802 107 313

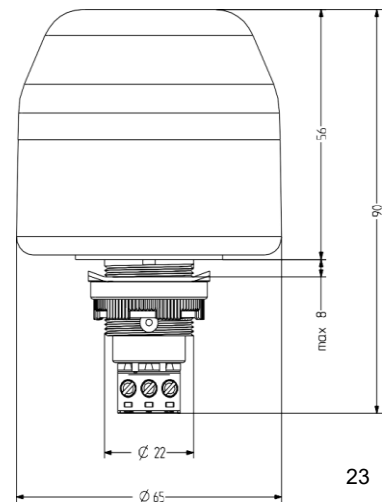
## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WZ30	Mounting tool for M22 mounting products with Ø 30 mm   1.18 Inch		812 400 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900

## IBM



## IBL





# IDS / IDM / IDL M22 panel mount LED multi colour beacon

- Ø 30 mm | 1.18 Inch / Ø 45 mm | 1.77 Inch / Ø 65 mm | 2.56 Inch panel-mount LED multi-colour steady beacon
- RED or GREEN, can be switched externally
- Good signalling effect
- High degree of protection IP 65
- User-friendly connection technology
- Modern LED technology and electronics
- Other colour combinations available on request
- For industrial and general applications
- Panel size Ø 22.5 mm | 0.89 Inch/M22
- Adapter available for M30.5 mm | 1.2 Inch panel size

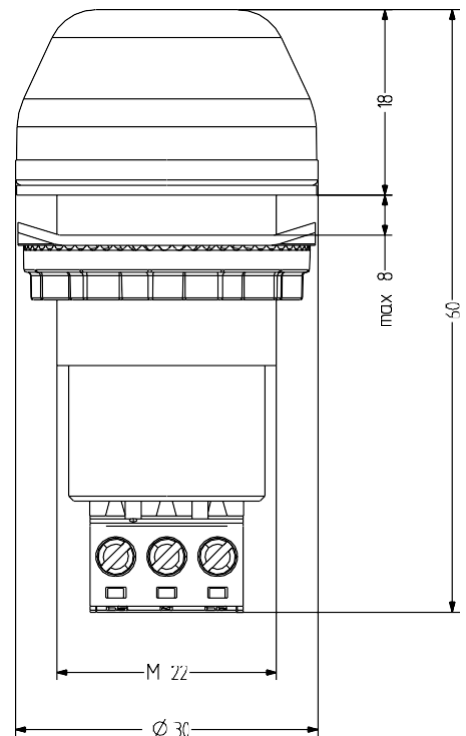


## TECHNICAL DATA

Housing	Ø 30 mm   1.18 Inch / Ø 45 mm   1.77 Inch / Ø 65 mm   2.56 Inch Polycarbonate black (RAL 9005) or grey (RAL 7035)
Lens	Polycarbonate, ribbed inside clear
Type of mounting	any
Panel size	22x1,5   0.87x0.06 Inch (M22) and 30.5 mm   1.2 Inch (with adapter), mounting depth 47 mm   1.85 Inch
Connection technology	Screw/plug-in terminal 2,5 mm <sup>2</sup>
Leakage current	3 mA (PLC-suitable)
Beacon type	LED steady beacon - 2 colours, in each case 1 colour visible across whole lens
Light source	6 / 9 / 12 LEDs
Strobe/flash frequency	1 Hz
Number of colours	2
Duty cycle	100%
Service life	Light source: 100.000 h
Operating temperature	-25°C/+50°C   13 °F / 122 °F
Degree of protection	IP65 & UL Type 4/4x/13
Weight	30 / 55 / 75 g   0.07 / 0.12 / 0.17 lbs



## IDS



# IDS / IDM / IDL Order numbers

## IDS

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				grey	black
clear	24 V AC/DC	+/- 10 %	28	800 226 405	800 626 405

## IDM

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				black	grey
clear	24 V AC/DC	+/- 10 %	46	801 626 405	801 226 405
	110-120 V AC	+/- 10 %	35	801 626 310	801 226 310
	230-240 V AC	+/- 10 %	35	801 626 313	801 226 313

## IDL

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				black	grey
clear	24 V AC/DC	+/- 10 %	71	802 626 405	802 226 405
	110-120 V AC	+/- 10 %	61	802 626 310	802 226 310
	230-240 V AC	+/- 10 %	61	802 626 313	802 226 313



ADM30

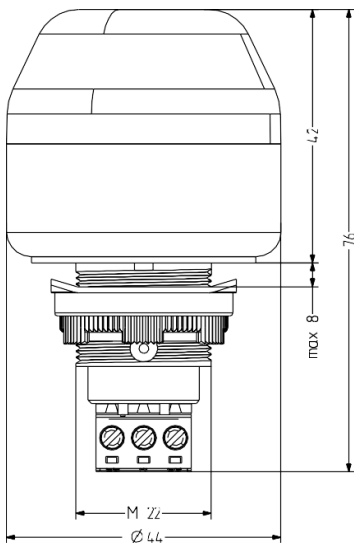


WZ30

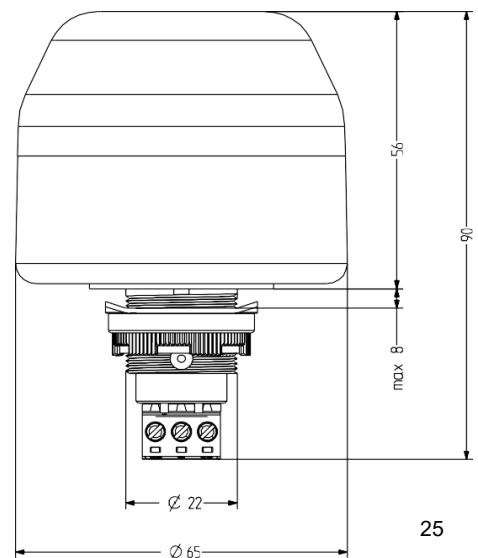
## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WZ30	Mounting tool for M22 mounting products with Ø 30 mm   1.18 Inch		812 400 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.01 lbs	812 100 900
WM22I	Indoor Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 910

## IDM



## IDL



# ITS / ITM / ITL M22 panel mount LED multi colour beacon

- Ø 30 mm | 1.18 Inch / Ø 45 mm | 1.77 Inch / Ø 65 mm | 2.56 Inch panel-mount LED multi-colour steady beacon
- RED and GREEN, can be switched externally
- Good signalling effect
- High degree of protection IP 65
- User-friendly connection technology

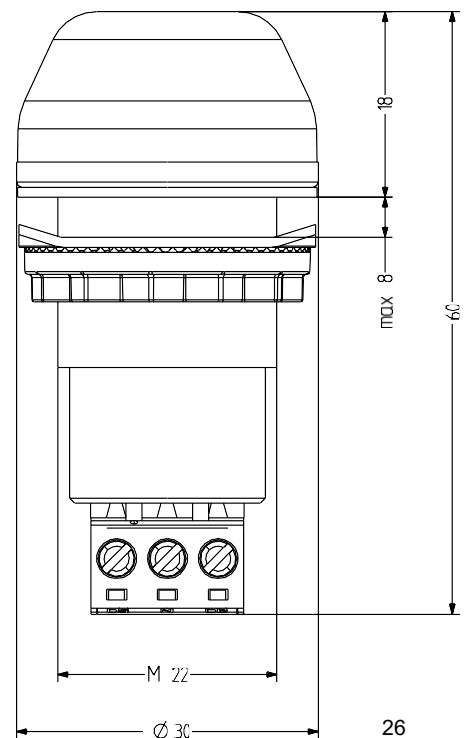
- Modern LED technology and electronics
- Other colour combinations available on request
- For industrial and general applications
- Panel size Ø 22.5 mm | 0.89 Inch/M22
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 30 mm   1.18 Inch / Ø 45 mm   1.77 Inch / Ø 65 mm   2.56 Inch, Polycarbonate black (RAL 9005) or grey (RAL 7035)
Lens	Polycarbonate, ribbed inside clear
Type of mounting	any
Panel size	22x1,5   0.87x0.06 Inch (M22) and 30.5 mm   1.2 Inch (with adapter), mounting depth 47 mm   1.85 Inch
Connection technology	Screw/plug-in terminal 2,5 mm <sup>2</sup>
Leakage current	3 mA (PLC-suitable)
Beacon type	LED steady beacon – 2 colours visible in separate colour areas
Light source	6 / 9 / 12 LEDs
Strobe/flash frequency	1 Hz
Number of colours	2
Duty cycle	100%
Service life	Light source: 100.000 h
Operating temperature	-25°C/+50°C   13 °F / 122 °F
Degree of protection	IP65 & UL Type 4/4x/13
Weight	31 / 56 / 77 g   0.07 / 0.12 / 0.17 lbs

ITS



# ITS / ITM / ITL Order numbers

## ITS

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				black	grey
clear	24 V AC/DC	+/- 10 %	30	800 726 405	800 326 405

## ITM

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				grey	black
clear	24 V AC/DC	+/- 10 %	39	801 326 405	801 726 405
	110-120 V AC	+/- 10 %	35	801 326 310	801 726 310
	230-240 V AC	+/- 10 %	35	801 326 313	801 726 313

## ITL

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				black	grey
clear	24 V AC/DC	+/- 10 %	44	802 726 405	802 326 405
	110-120 V AC	+/- 10 %	41	802 726 310	802 326 310
	230-240 V AC	+/- 10 %	41	802 726 313	802 326 313



ADM30

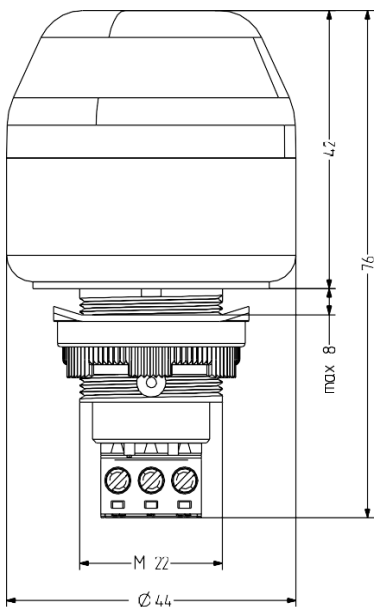


WZ30

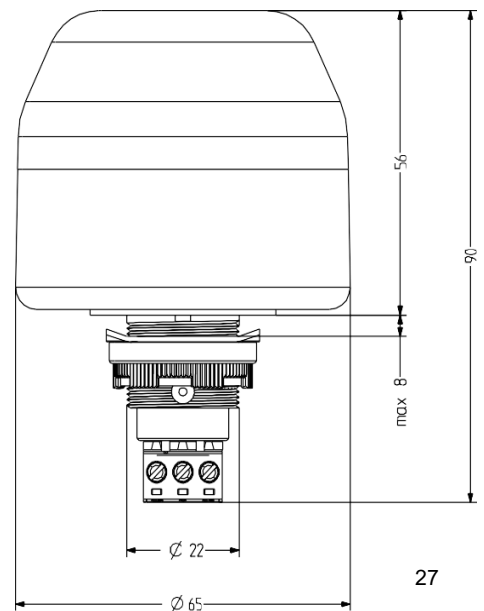
## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WZ30	Mounting tool for M22 mounting products with Ø 30 mm   1.18 Inch		812 400 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900
WM22I	Indoor Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 910

## ITM



## ITL



# IMM / IML M22 panel mount LED multi colour beacon

- Ø 45 mm | 1.77 Inch / Ø 65 mm | 2.56 Inch panel-mount LED multi-colour steady beacon
- RED, YELLOW or GREEN, can be switched externally
- High degree of protection IP 67
- Prewired with 1 m UL cable
- Modern LED technology and electronics
- Good signalling effect
- For industrial and general applications
- Panel size Ø 22.5 mm | 0.89 Inch/M22
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 45 mm   1.77 Inch / Ø 65 mm   2.56 Inch, Polycarbonate black (RAL 9005) or grey (RAL 7035)
Lens	Polycarbonate, ribbed inside clear
Type of mounting	any
Panel size	22x1,25 mm   0.87x0.05 Inch (M22) and 30.5   1.2 Inch (with adapter), mounting depth 34 mm   1.34 Inch
Cable entry	pre-wired (1 m cable)
Leakage current	3 mA (PLC-suitable)
Beacon type	LED steady beacon - 3 colour beacon
Light source	9 / 12LEDs
Number of colours	3
Duty cycle	100% (one colour)
Service life	Light source: 100.000 h
Operating temperature	-25°C/+50°C   13 °F / 122 °F
Degree of protection	IP67 & UL Type 4/4x/13
Weight	97 / 117 g   0.21 / 0.26 lbs



# IMM / IML Order numbers

## IMM

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				black	grey
clear	24 V AC/DC	+/- 10 %	27	801 550 405	801 150 405

## IML

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				grey	black
clear	24 V AC/DC	+/- 10 %	43	802 150 405	802 550 405
	110-120 V AC	+/- 10 %	33	802 150 310	802 550 310
	230-240 V AC	+/- 10 %	33	802 150 313	802 550 313

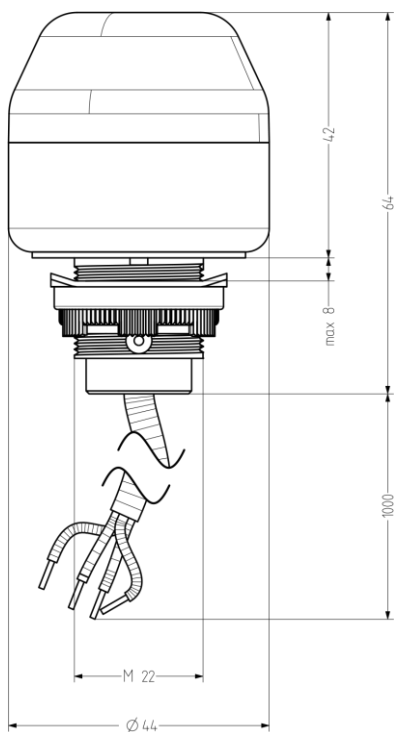


ADM30

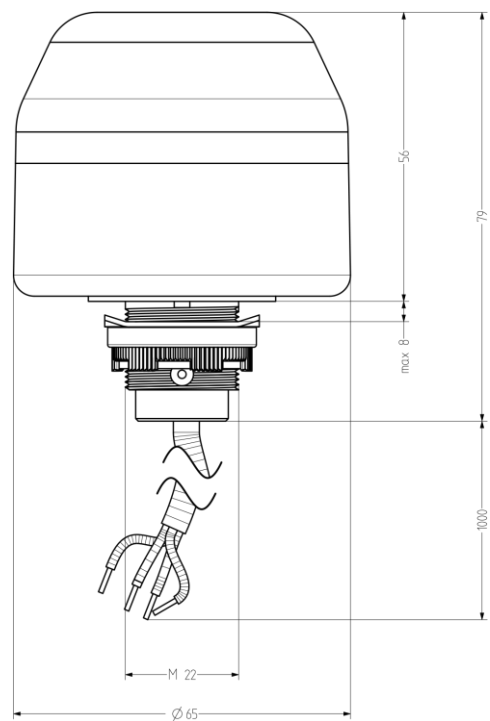
## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900
WM22I	Indoor Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 910

## IMM



## IML



# ESV Panel mount buzzer

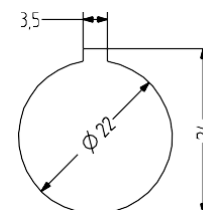
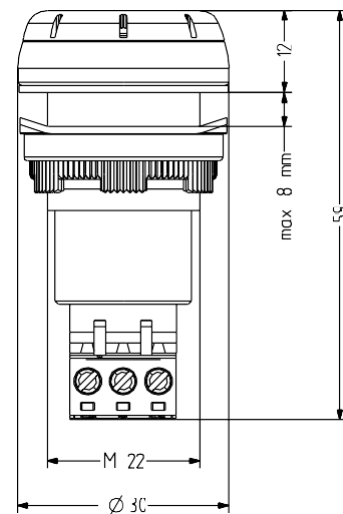
- Ø 30 mm | 1.19 Inch panel-mount buzzer
- Max. 85 dB (A) sound pressure
- High degree of protection IP 65
- Panel size Ø 22.5 mm | 0.89 Inch/M22

- 2 easily distinguishable tones
- User-friendly connection technology
- For industrial and general applications
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 30 mm   1.18 Inch Polycarbonate black (RAL 9005) or grey (RAL 7035)
Type of mounting	any
Panel size	22 mm   0.87 Inch (M22) and 30.5 mm   1.2 Inch (with adapter)
Connection technology	plug-in screw terminal bis 2,5 mm <sup>2</sup>
Leakage current	3 mA
Tone	2 Tones, 2 Tones can be switched externally, Steady tone or Pulsing tone
Volume	85 dB
Tone Frequency	3.500 Hz
Duty cycle	100%
Operating temperature	-25 °C / +60 °C   13 °F / 140 °F
Degree of protection	IP65 & UL Type 4/4x/13
Weight	30 g   0.07 lbs



# ESV

## ORDER DATA

Nominal voltage	Voltage range (V)	Nominal current (mA)	Mains frequency	Housing colour	
				grey	black
12-24 V AC/DC	10-24	40	50-60 Hz	812 110 405	812 510 405
110-120 V AC	75-140	35	50-60 Hz	812 110 310	812 510 310
230 V AC	150-260	35	50-60 Hz	812 110 313	812 510 313



ADM30



WZ30

## ACCESSORI S

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WZ30	Mounting tool for M22 mounting products with Ø 30 mm   1.18 Inch		812 400 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900
WM22I	Indoor Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 910

## STONE TABLE

Tone on terminal

La	N	Lb	
X	X		pulsing tone
X	X	X	continuous tone





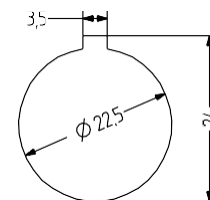
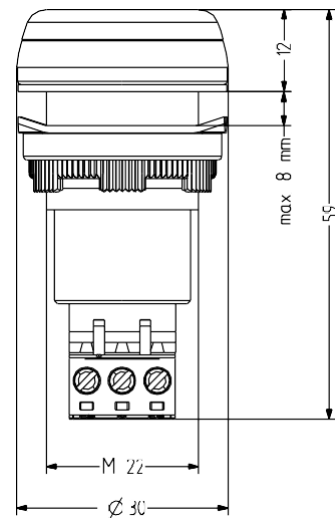
# ESK Panel mount buzzer

- Ø 30 mm | 1.18 Inch panel-mount buzzer
- Max. 65 dB (A) sound pressure
- High degree of protection IP 65
- Panel size Ø 22.5 mm | 0.89 Inch/M22
- 2 easily distinguishable tones
- User-friendly connection technology
- For industrial and general applications
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 30 mm   1.18 Inch Polycarbonate black (RAL 9005) or grey (RAL 7035)
Type of mounting	any
Panel size	22 mm   0.87 Inch (M22) and 30.5 mm   1.2 Inch (with adapter)
Connection technology	plug-in screw terminal bis 2,5 mm <sup>2</sup>
Leakage current	3 mA
Tone	2 Tones, 2 Tones can be switched externally, Steady tone or Pulsing tone
Volume	65 dB
Tone frequency	3.500 Hz
Duty cycle	100%
Operating temperature	-25 °C / +60 °C   13 °F / 140 °F
Degree of protection	IP65 & UL Type 4/4x/13
Weight	30 g   0.07 lbs



# ESK

## ORDER DATA

Nominal voltage	Voltage range (V)	Nominal current (mA)	Mains frequency	Housing colour	
				black	grey
12-24 V AC/DC	10-24	40	50-60 Hz	812 500 405	812 100 405
110-120 V DC	+/- 10 %	11	50-60 Hz	812 500 010	
110-120 V AC	75-140	35	50-60 Hz	812 500 310	812 100 310 Discontinued
230 V AC	150-260	35	50-60 Hz	812 500 313	812 100 313



ADM30



WZ30

## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WZ30	Mounting tool for M22 mounting products with Ø 30 mm   1.18 Inch		812 400 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900

## TONE TABLE

Tone on terminal

La      N      Lb

X      X                      pulsing tone

X      X      X                      continuous tone



# ESM Panel mount buzzer

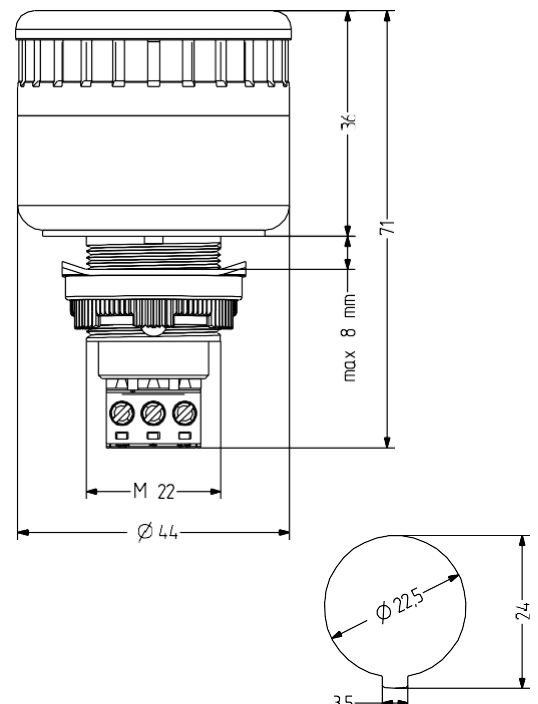
- Ø 45 mm | 1.77 Inch panel-mount buzzer
- Max. 100 dB (A) sound pressure, infinitely adjustable
- High degree of protection IP 65
- Panel size Ø 22.5 mm | 0.89 Inch/M22

- 2 easily distinguishable tones
- User-friendly connection technology
- For industrial and general applications
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 45 mm   1.77 Inch Polycarbonate black (RAL 9005) or grey (RAL 7035)
Type of mounting	any
Panel size	22 mm   0.87 Inch (M22) and 30.5 mm   1.2 Inch (with adapter)
Connection technology	plug-in screw terminal bis 2,5 mm <sup>2</sup>
Leakage current	3 mA
Tone	2 Tones, 2 Tones can be switched externally, Steady tone or Pulsing tone
Volume	85-100 dB (can be adjusted with potentiometer)
Tone frequency	3.300 Hz
Duty cycle	100%
Operating temperature	-25 °C / +60 °C   13 °F / 140 °F
Degree of protection	IP65 & UL Type 4/4x/13
Weight	35 g   0.08 lbs



# ESM

## ORDER DATA

Nominal voltage	Voltage range (V)	Nominal current (mA)	Mains frequency	Housing colour	
				grey	black
12-24 V AC/DC	8-24	19	50-60 Hz	813 100 405	813 500 405
110-120 V AC	75-140	42	50-60 Hz	813 100 310	813 500 310
230 V AC	150-260	40	50-60 Hz	813 100 313	813 500 313



ADM30

## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900

## TONE TABLE

Tone on terminal

La	N	Lb	
X	X		pulsing tone
X	X	X	continuous tone



# ESG Panel mount buzzer

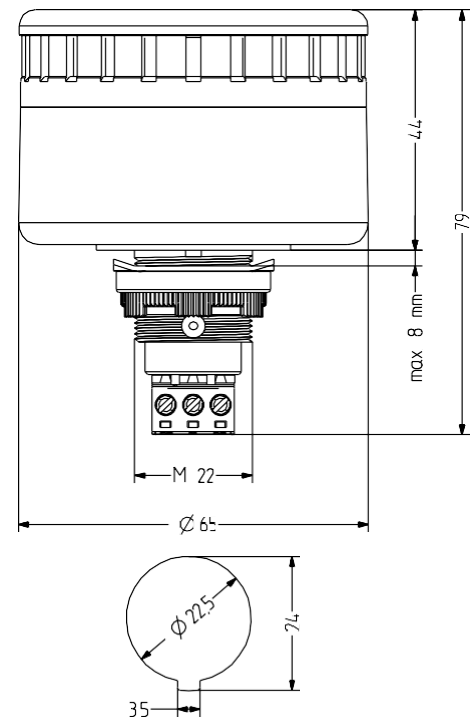
- Ø 65 mm | 2.56 Inch panel-mount buzzer
- Max. 105 dB (A) sound pressure, infinitely adjustable
- High degree of protection IP 65
- Panel size Ø 22.5 mm | 0.89 Inch/M22

- 3 easily distinguishable tones
- User-friendly connection technology
- For industrial and general applications
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 65 mm   2.56 Inch Polycarbonate black (RAL 9005) or grey (RAL 7035)
Type of mounting	any
Panel size	22 mm   0.87 Inch (M22) and 30.5 mm   1.2 Inch (with adapter)
Connection technology	Plug-in screw terminal bis 2,5 mm <sup>2</sup>
Leakage Current	3 mA
Tone	3 Tones, 3 Tones can be switched externally, Steady tone, Pulsing tone or Alternating
Volume	85-105 dB (can be adjusted with potentiometer)
Tone frequency	3.300 Hz
Duty cycle	100%
Operating temperature	-25 °C / +60 °C   13 °F / 140 °F
Degree of protection	IP65 & UL Type 4/4x/13
Weight	65 g   0.14 lbs



# ESG

## ORDER DATA

Nominal voltage	Voltage range (V)	Nominal current (mA)	Mains frequency	Housing colour	
				grey	black
12-24 V AC/DC	8-24	57	50-60 Hz	814 100 405	814 500 405
110-120 V AC	75-140	42	50-60 Hz	814 100 310	814 500 310
230 V AC	150-260	44	50-60 Hz	814 100 313	814 500 313



ADM30

## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900
WM22I	Indoor Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 910

## TONE TABLE

Tone on terminal

La	N	Lb	
X	X		pulsing tone
	X	X	wobble tone
X	X	X	continuous tone



# ELG LED panel mount buzzer

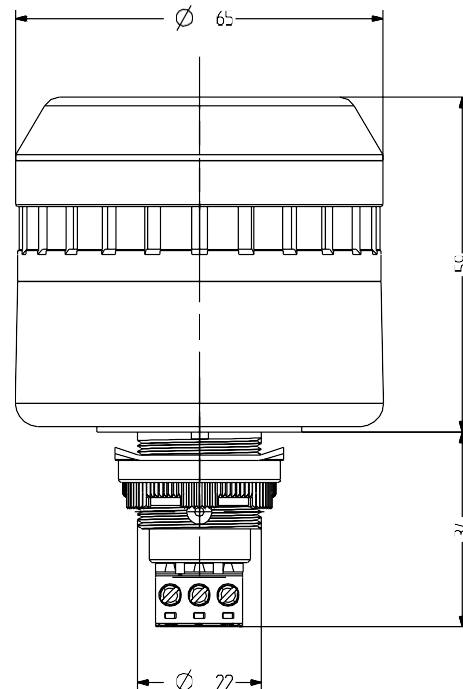
- Ø 65 mm | 2.56 Inch panel-mount buzzer with LED steady/flashing beacon
- Max. 103 dB (A) sound pressure, infinitely adjustable
- High degree of protection IP 65, user-friendly connection technology

- Panel size Ø 22.5 mm | 0.89 Inch/M22
- Pulsing or wobble tone with LED flashing light
- Steady tone with LED steady light
- Switching via terminal assignment
- For industrial and general applications
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 65 mm   2.56 Inch, Polycarbonate grey or black
Lens	Polycarbonate, ribbed inside amber, red, clear, blue, green or yellow
Type of mounting	any
Panel size	22 mm   0.87 Inch (M22) and 30.5 mm   1.2 Inch (with adapter)
Connection technology	Up to 2,5 mm <sup>2</sup>
Beacon type	LED steady beacon or LED flashing beacon
Strobe/flash frequency	2 Hz
Tone	3 Tones, 3 Tones can be switched externally, Steady tone, Pulsing tone or Wobble tone
Volume	85-103 dB (can be adjusted when panel mounted)
Tone frequency	2.800 Hz
Duty cycle	100%
Service life	Light source: 100.000 h
Operating temperature	-25 °C / +60 °C   13 °F / 140 °F
Degree of protection	IP65
Weight	110 g   0.24 lbs



# ELG

## ORDER DATA

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				grey	black
amber	12 V AC/DC	+/- 10 %	73	814 111 404	814 511 404
	24 V AC/DC	+/- 10 %	47	814 111 405	814 511 405
	110-120 V AC	+/- 10 %	60	814 111 310	814 511 310
	230-240 V AC	+/- 10 %	63	814 111 313	814 511 313
red	12 V AC/DC	+/- 10 %	73	814 112 404	814 512 404
	24 V AC/DC	+/- 10 %	47	814 112 405	814 512 405
	110-120 V AC	+/- 10 %	60	814 112 310	814 512 310
	230-240 V AC	+/- 10 %	63	814 112 313	814 512 313



ADM30

## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WM22	Metal bracket for products with M22 mounting thread	45g   0.1 lbs	812 100 900
WM22I	Indoor Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 910

## TONE TABLE

Tone and light selection on terminal			
La	N	Lb	Tone and light synchronized
X	X		pulsing tone / LED flashing light
	X	X	wobble tone / LED flashing light
X	X	X	continuous tone / steady light





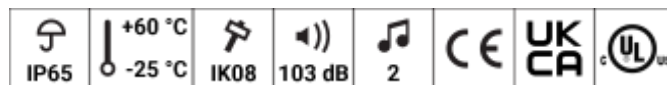
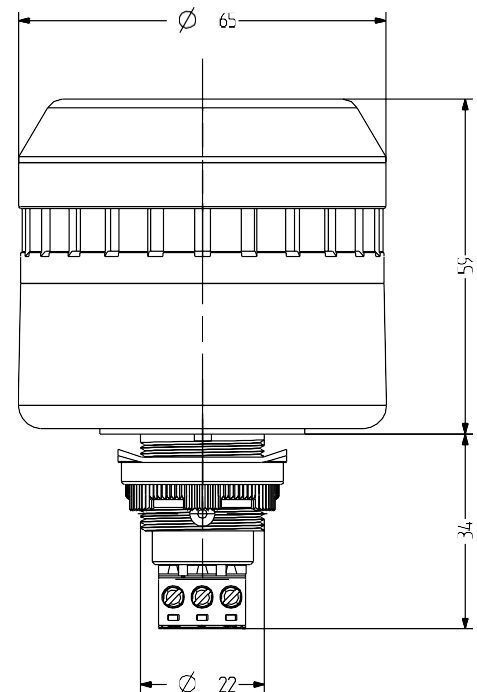
# EDG LED panel mount buzzer

- Ø 65 mm | 2.56 Inch panel-mount buzzer with LED steady beacon
- Max. 103 dB (A) sound pressure, infinitely adjustable
- High degree of protection IP 65
- Panel size Ø 22.5 mm | 0.89 Inch/M22
- Steady tone and LED steady light, can be switched separately
- Switching via terminal assignment
- User-friendly connection technology
- For industrial and general applications
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 65 mm   2.56 Inch, Polycarbonate grey or black
Lens	Polycarbonate, ribbed inside amber or red
Type of mounting	any
Panel size	22 mm   0.87 Inch (M22) and 30.5 mm   1.2 Inch (with adapter)
Connection technology	up to 2,5 mm <sup>2</sup>
Beacon type	LED steady beacon
Tone	2 Tones, Steady tone
Volume	85-103 dB (can be adjusted when panel mounted)
Tone frequency	2.800 Hz
Duty cycle	100%
Service life	Light source: 100.000 h
Operating temperature	-25 °C / +60 °C   13 °F / 140 °F
Degree of protection	IP65
Weight	100 g   0.22 lbs



# EDG

## ORDER DATA

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				grey	black
amber	12 V AC/DC	+/- 10 %	62	814 121 404	814 521 404
	24 V AC/DC	+/- 10 %	95	814 121 405	814 521 405
	110-120 V AC	+/- 10 %	52	814 121 310	814 521 310
	230-240 V AC	+/- 10 %	52	814 121 313	814 521 313
red	12 V AC/DC	+/- 10 %	62	814 122 404	814 522 404
	24 V AC/DC	+/- 10 %	95	814 122 405	814 522 405
	110-120 V AC	+/- 10 %	52	814 122 310	814 522 310
	230-240 V AC	+/- 10 %	52	814 122 313	814 522 313



ADM30

## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900
WM22I	Indoor Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 910

## TONE TABLE

Tone setting			
La	N	Lb	Tone and light seperately switchable
X	X		continous tone
	X	X	steady light

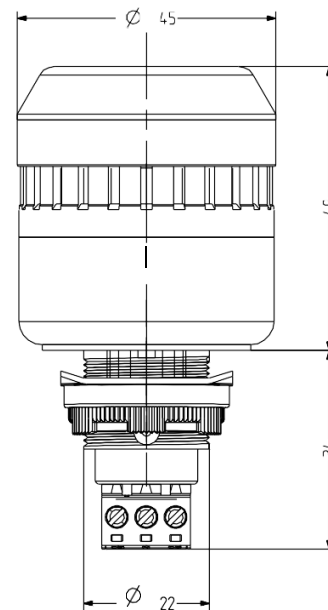
# ELM LED panel mount buzzer

- Ø 45 mm | 1.77 Inch panel-mount buzzer with LED steady/flashing beacon
- Max. 98 dB (A) sound pressure, infinitely adjustable
- High degree of protection IP 65, user-friendly connection technology
- Panel size Ø 22.5 mm | 0.89 Inch/M22
- Pulsing tone with LED flashing light
- Steady tone with LED steady light
- Switching via terminal assignment
- For industrial and general applications
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 45 mm   1.77 Inch, Polycarbonate grey or black
Lens	Polycarbonate, ribbed inside amber, red, clear, blue, green or yellow
Type of mounting	any
Panel size	22 mm   0.87 Inch (M22) and 30.5 mm   1.2 Inch (with adapter)
Connection technology	up to 2,5 mm <sup>2</sup>
Beacon type	LED steady beacon or LED flashing beacon
Strobe/flash frequency	2 Hz
Tone	2 Tones, 2 Tones can be switched externally, Steady tone or Pulsing tone
Volume	85-98 dB (can be adjusted when panel mounted)
Tone frequency	3.500 Hz
Duty cycle	100%
Service life	Light source: 100.000 h
Operating temperature	-25 °C / +60 °C   13 °F / 140 °F
Degree of protection	IP65
Weight	65 g   0.14 lbs



# ELM

## ORDER DATA

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				black	grey
amber	12 V AC/DC	+/- 10 %	35	813 511 404	813 111 404
	24 V AC/DC	+/- 10 %	58	813 511 405	813 111 405
	110-120 V AC	+/- 10 %	42	813 511 310	813 111 310
	230-240 V AC	+/- 10 %	40	813 511 313	813 111 313
red	12 V AC/DC	+/- 10 %	35	813 512 404	813 112 404
	24 V AC/DC	+/- 10 %	58	813 512 405	813 112 405
	110-120 V AC	+/- 10 %	42	813 512 310	813 112 310
	230-240 V AC	+/- 10 %	40	813 512 313	813 112 313



ADM30

## ACCESSORIES

Type of accessory	Weight	Order number
ADM30 Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WM22 Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900

## TONE TABLE

Tone and light selection on terminal			
La	N	Lb	Tone and light synchronized
X	X		pulsing tone / LED flashing light
X	X	X	continuous tone / steady light



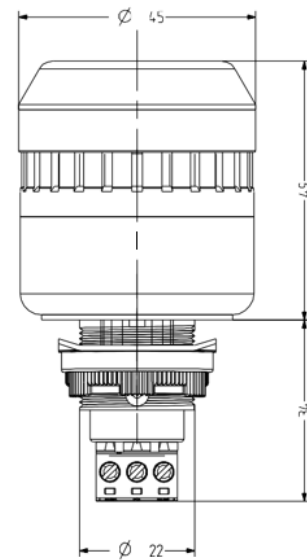
# EDM LED panel mount buzzer

- Ø 45 mm | 1.77 Inch panel-mount buzzer with LED steady beacon
- Max. 98 dB (A) sound pressure, infinitely adjustable
- High degree of protection IP 65
- Panel size Ø 22.5 mm | 0.89 Inch/M22
- Steady tone and LED steady light, can be switched separately
- Switching via terminal assignment
- User-friendly connection technology
- For industrial and general applications
- Adapter available for M30.5 mm | 1.2 Inch panel size



## TECHNICAL DATA

Housing	Ø 45 mm   1.77 Inch, Polycarbonate grey or black
Lens	Polycarbonate, ribbed inside, amber, red
Type of mounting	any
Panel size	22 mm   0.87 Inch (M22) and 30.5 mm   1.2 Inch (with adapter)
Connection technology	up to 2,5 mm <sup>2</sup>
Beacon type	LED steady beacon
Tone	2 Tones, Steady tone
Volume	85-98 dB (can be adjusted when panel mounted)
Tone frequency	3.500 Hz
Duty cycle	100 %
Service life	Light source: 100.000 h
Operating temperature	-25 °C / +60 °C   13 °F / 140 °F
Degree of protection	IP65
Weight	65 g   0.14 lbs



# EDM

## ORDER DATA

Lens colour	Nominal voltage	Voltage range (V)	Nominal current (mA)	Housing colour	
				black	grey
amber	12 V AC/DC	+/- 10 %	48	813 521 404	813 121 404
	24 V AC/DC	+/- 10 %	73	813 521 405	813 121 405
	110-120 V AC	+/- 10 %	51	813 521 310	813 121 310
	230-240 V AC	+/- 10 %	51	813 521 313	813 121 313
red	12 V AC/DC	+/- 10 %	48	813 522 404	813 122 404
	24 V AC/DC	+/- 10 %	73	813 522 405	813 122 405
	110-120 V AC	+/- 10 %	51	813 522 310	813 122 310
	230-240 V AC	+/- 10 %	51	813 522 313	813 122 313



ADM30

## ACCESSORIES

Type	Type of accessory	Weight	Order number
ADM30	Adapter for M30.5 mounting holes	8 g   0.02 lbs	812 500 900
WM22	Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 900
WM22I	Indoor Metal bracket for products with M22 mounting thread	45 g   0.1 lbs	812 100 910

## TONE TABLE

Tone setting			
La	N	Lb	Tone and light separately switchable
X	X		continuous tone
	X	X	steady light

# Spare parts and accessories

## REPLACEMENTS

Type	Description	For use with	Specifications	Order number <sup>❶</sup> (replace * with lens color)
 <b>LED Bulbs</b>	<b>LLL</b> Replacement LED Bulb - Steady light for use on steady or flashing modules	50mm Light Modules	12 V AC/DC	893 00* 404
		VLL, VLB	24 V AC/DC	893 00* 405
		70mm Light Modules	48 V AC/DC	893 00* 408
		SLL, SLB, SLP, SLD, SBP	110/120 V AC	893 00* 310
		Mini-Horn-Signal Beacons KLL, KDL	230/240 V AC	893 00* 313
 <b>LED Bulbs</b>	<b>LLB</b> Replacement LED Bulb - Flashing light for use on steady modules only	50mm Light Modules	12 V AC/DC	893 01* 404
		VLL	24 V AC/DC	893 01* 405
		70mm Light Modules	48 V AC/DC	893 01* 408
		SLL, SLP, SLD	110/120 V AC	893 01* 310
		Mini-Horn-Signal Beacons KLL, KDL	230/240 V AC	893 01* 313
 <b>Incandescent Steady, or Flashing</b>	<b>Incandescent Bulb GL 01-06</b> (BA 15 d)	50mm Light Modules, VLL, VLB	12 V, 5 W	890 010 904
		70mm Light Modules, SLL, SLB, SLP, SLD, SBP	24 V, 6,5 W	890 010 905
		ECO 70mm Light Modules, XLL	48 V, 5 W	890 010 908
		Mini-Horn-Signal Beacons, KLL, KDL	110-120 V, 7 W	890 010 910
		Beacons T & U	230-240 V, 6 W	890 010 913
	<b>Incandescent Bulb GL 11-16</b> (BA 15 d)	ECO 40mm Light Modules, ZLL	12 V, 4 W	890 012 904
		ECO 60mm Light Modules, YLL	24 V, 4 W	890 012 905
			48 V, 4 W	890 012 908
			60 V, 4 W	890 012 909
			110-120 V, 4 W	890 012 910
 <b>Incandescent Bulb GL 21-26</b> (BA 15 d)	Beacons G, WLG, 8KG	24 V, 25W	890 025 905	
		230-240 V, 25W	890 025 913	
 <b>Halogen &amp; Xenon Strobe</b>	<b>Halogen Bulb HL 21-26</b>	Modular Beacons M 90mm	12 V, 20 W, GY 6.35	890 020 904
		MLS, MBS, MRS	24 V, 20 W, GY 6.35	890 020 905
			110/120 V, 20 W, G 6.35	890 020 910
			230/240 V, 20 W, G 6.35	890 020 913
	<b>Halogen Bulb HL 31-36</b>	Modular Beacons M 120mm	12 V, 35 W, GY 6.35	890 035 904
		MLM, MBM, MRM	24 V, 35 W, GY 6.35	890 035 905
			110/120 V, 35 W, G 6.35	890 035 910
	<b>Halogen Bulb HL 51-56</b>	Modular Beacons M 160mm	12 V, 50 W, GY 6.35	890 050 904
		MLL, MBL, MRL	24 V, 50 W, GY 6.35	890 050 905
		110/120 V, 50 W, G 6.35	890 050 910	
 <b>Xenon Tube XT07-30</b>	Modular Beacons M	30 J (MFL)	890 130 900	
		15 J (MFM)	890 115 900	
		7 J (MFS)	890 107 900	
<b>Safety Screw Set (5)</b>		All Modules		700 000 900
<b>Replacement Cap</b>		All Modules	Black	698 803 003
			Grey	698 803 002
<b>Replacement Gaskets (5 per bag)</b>		Pole Mount Base		698 800 002
		Vertical Base		698 800 000
		Surface Mount Base		698 800 001
<b>Replacement O-Rings (5 per bag)</b>		modules, bases, caps		698 800 003

❶ replace the \* with the color code corresponding with the lens color of the light module:  
 1=Amber, 2=Red, 4=Clear, 5=Blue, 6=Green, 7=Yellow

The logo consists of three vertical bars of varying heights and shades of blue, positioned to the left of the company name.

# sprecher+ schuh

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