

WERMA® Signal Devices

MC55 Series Multicolor Beacons

Overview

MC55 multicolor beacons from WERMA feature a 55mm diameter design for direct panel mounting. They offer up to 7 selectable LED colors and are suitable for a variety of industrial signal and status indication applications. Choose either visual beacons or audible-visual signal beacons. The M12 5-pin plug connection and IP65/IP69K protection rating ensure reliable performance even in demanding washdown environments.

Features

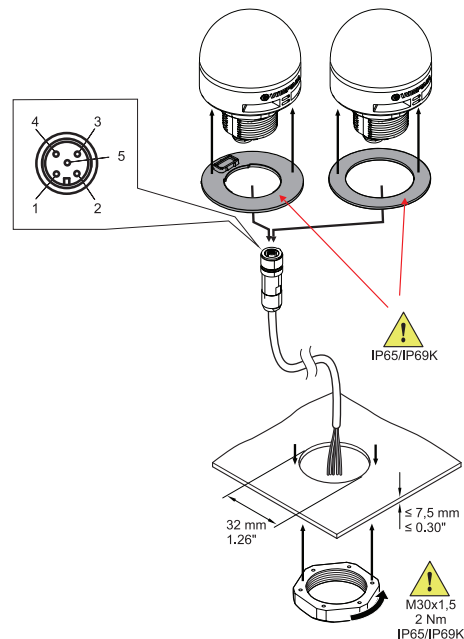
- 55mm diameter body - M30 x 1.5 thread mount
- Choose between RYG or 7-color models
- Audible-visual models feature a pulsing 85 dB tone
- IP65 / IP69K protection rating
- UL Type 4X rating



MC55 Series 55mm Beacons Selection Chart										
Part Number	Price	Type	Bulb Type	Light Function	Light Colors	Voltage	Tone Type	Tone Freq.	Drawing Link	Connection
24032050	\$110.00	Industrial signal beacon	Integrated LED	Continuous	Red/yellow/green/blue/turquoise/violet/white	10–30 VDC	N/A	N/A	PDF	5-pin M12 quick-disconnect
24042055	\$75.00				Red/yellow/green	24 VDC			PDF	
24034050	\$115.00	Audible-visual signal beacon			Red/yellow/green/blue/turquoise/violet/white	10–30 VDC	Pulse 85 dB at 1m	3.4 kHz	PDF	
24044055	\$84.00				Red/yellow/green	24 VDC			PDF	

* Requires a 5-pin female M12 cable such as [7000-12241-2150300](#), sold separately

Typical Installation





MC55 Series Multicolor Beacons

Specifications

MC55 Series 55mm Beacons Specifications				
Model	24032050	24042055	24034050	24044055
Mechanical				
Dome and Housing Material	Polycarbonate			
Dome Color	Translucent			
Housing Color	Black			
Connection	5-pin M12 quick-disconnect			
Weight g [oz]	64 [2.3]	66 [2.3]	69 [2.4]	
Electrical				
Operating Voltage	10–30 VDC	24 VDC	10–30 VDC	24 VDC
Operating Voltage Tolerance	± 10%			
Rated Operational Current	45 mA	42 mA	105 mA	60 mA
Rated Inrush Current	<1000 mA	42 mA	<1000 mA	<750 mA
Overvoltage Category	Cat I			
Insulation Voltage	Ui = 50V / Uimp = 330V			
Optical Data				
Light Source	LED			
Light Color	Red/yellow/green/blue/ turquoise/violet/white	Red/yellow/green	Red/yellow/green/blue/ turquoise/violet/white	Red/yellow/green
Optical Signal Image	Permanent			
Optical Life Duration	up to 50,000h			
Acoustic Data				
Max Volume	N/A		85 dB at 1m	
Tone Type			Pulse	
Audio Frequency			3.4 kHz	
Acoustic Life Duration			5,000h maximum	
Environmental				
Operating Temperature	-20 to +50 °C [-4 to +122 °F]			
Protection Class	Class 2			
Pollution Degree	3 (In the connection area: 2)			
Protection Rating	IP65 / IP69K UL Type 4X			
IK-Code (IEC 62262)	IK06			
Agency Approval	cULus, CE, WEEE, RoHS			

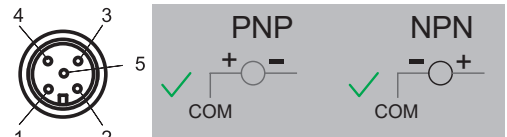
To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

MC55 Series Multicolor Beacons

Wiring Diagrams

24032050, 24034050

MC55 Series 7-Color Beacons Wiring



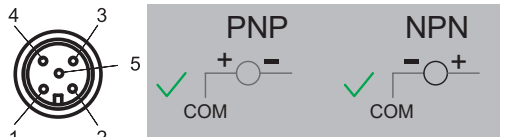
Pin					Color
1	2	3 Com	4	5*	
NC	NC	(±)	(±) V	(±) V  *	Red
(±) V	NC		NC		Green
(±) V	NC		(±) V		Yellow
NC	(±) V		NC		Blue
(±) V	(±) V		(±) V		White
NC	(±) V		(±) V		Violet
(±) V	(±) V		NC		Turquoise

*Used for audible-visible part number 24034050 only

Note: NC = No connection

24042055, 24044055

MC55 Series RYG Beacons Wiring



Pin					Color
1	2	3 Com	4	5*	
NC	NC	(±)	(±) V	(±) V  *	Red
(±) V	NC		NC		Green
NC	(±) V		NC		Yellow

*Used for audible-visible part number 24044055 only

Note: NC = No connection