

WERMA® Signal Devices

MC35 Series Compact Multicolor Beacons

Overview

MC35 multicolor beacons from WERMA feature a compact 35mm 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

- Compact 35mm diameter body - M22 x 1.5 thread mount
- Choose between RYG or 7-color models
- Audible-visual models feature a continuous 80 dB tone
- IP65 / IP69K protection rating
- UL Type 4X rating

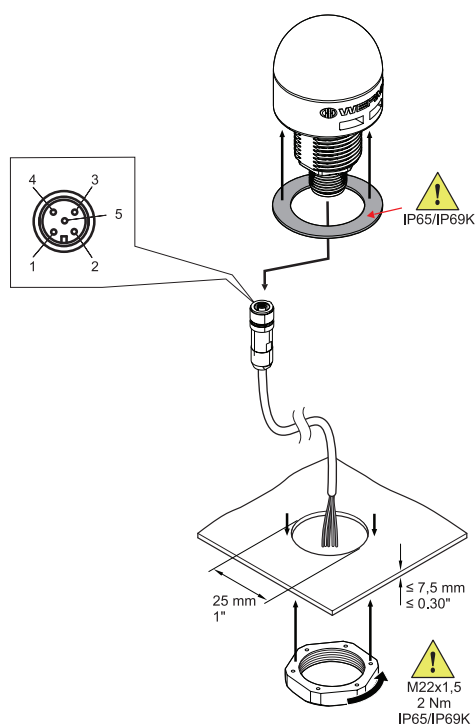


MC35 Series Compact 35mm Beacons Selection Chart

Part Number	Price	Type	Bulb Type	Light Function	Light Colors	Voltage	Tone Type	Tone Freq.	Drawing Link	Connection
<u>24132050</u>	\$95.00	Industrial signal beacon	Integrated LED	Continuous	Red/yellow/green/blue/turquoise/violet/white	10–30 VDC	N/A	N/A	<u>PDF</u>	5-pin M12 quick-disconnect*
<u>24142055</u>	\$70.00				Red/yellow/green	24 VDC			<u>PDF</u>	
<u>24134050</u>	\$105.00	Audible-visual signal beacon			Red/yellow/green/blue/turquoise/violet/white	10–30 VDC	Continuous 80 dB at 1m	3.4 kHz	<u>PDF</u>	
<u>24144055</u>	\$88.00				Red/yellow/green	24 VDC			<u>PDF</u>	

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

Typical Installation





MC35 Series Compact Multicolor Beacons

Specifications

MC35 Series Compact 35mm Beacons Specifications				
Model	24132050	24142055	24134050	24144055
Mechanical				
Dome and Housing Material	Polycarbonate			
Dome Color	Translucent			
Housing Color	Black			
Connection	5-pin M12 quick-disconnect			
Tension Relief	Pull-out protection			
Weight g [oz]	35 [1.2]			
Electrical				
Operating Voltage	10–30 VDC	24 VDC	10–30 VDC	24 VDC
Operating Voltage Tolerance	± 10%			
Rated Operational Current	60 mA	15 mA	70 mA	32 mA
Rated Inrush Current	900 mA	None	900 mA	600 mA
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		80 dB at 1m	
Tone Type			Continuous	
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			
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.

MC35 Series Compact Multicolor Beacons

Wiring Diagrams

24132050, 24134050

MC35 Series 7-Color Beacons Wiring



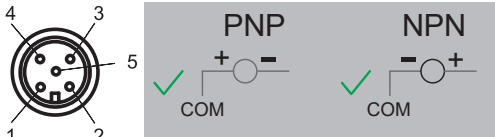
Pin					Color
1	2	3 Com	4	5*	
NC	NC	(±)	(±) V	(±) V  *	Red
(±) V	NC		NC		Green
(±) V	NC		(±) V		Yellow
NC	(±) V		NC		Blue
(±) V	(±) V		(±) V		White
NC	(±) V		(±) V		Violet
(±) V	(±) V		NC		Turquoise

*Used for audible-visible part number 24134050 only

Note: NC = No connection

24142055, 24144055

MC35 Series RGY 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 24144055 only

Note: NC = No connection