

WERMA® Signal Devices

MC55 Touch Series Multicolor Beacons

Overview

MC55 Touch multicolor beacons from WERMA feature a 55mm diameter design for direct panel mounting. Both visual beacon and audible-visual signal beacon models have touch-to-acknowledge capability. They offer 3 selectable LED colors and are suitable for a variety of industrial signal and status indication applications. The M12 5-pin plug connection and IP65/IP69K protection rating ensure reliable performance even in demanding washdown environments.

Features

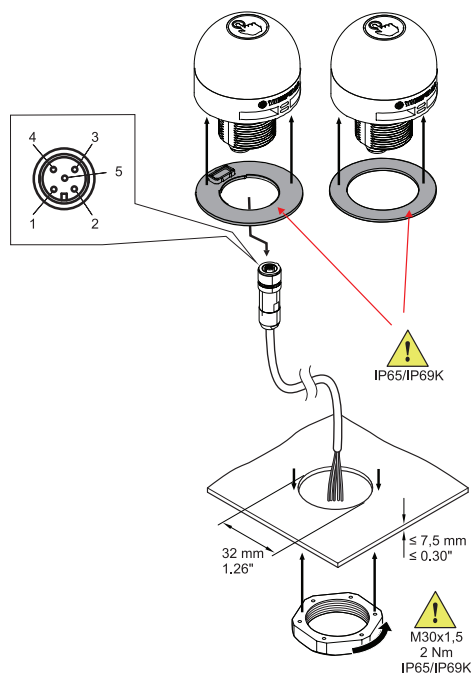
- 55mm diameter body - M30 x 1.5 thread mount
- Red, Yellow or Green (RYG) beacon
- Audible-visual models feature a continuous 85 dB tone
- Touch-to-acknowledge technology
- IP65 / IP69K protection rating
- UL Type 4X rating



MC55 Touch Series 55mm Beacons Selection Chart											
Part Number	Price	Type	Bulb Type	Light Function	Light Colors	Voltage	Logic	Tone Type	Tone Freq.	Drawing Link	Connection
24026055	\$157.00	Industrial signal beacon	Integrated LED	Continuous	Red/yellow/green	24 VDC	NPN	N/A	N/A	PDF	5-pin M12 quick-disconnect*
24028055	\$157.00						PNP			PDF	
24027055	\$174.00	Audible-visual signal beacon					NPN	Continuous 85 dB at 1m	3480 Hz	PDF	
24029055	\$174.00						PNP			PDF	

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

Typical Installation





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Specifications

MC55 Touch Series 55mm Beacons Specifications				
Model	24026055	24028055	24027055	24029055
Mechanical				
Dome and Housing Material	Polycarbonate			
Dome Color	Translucent			
Housing Color	Black			
Connection	5-pin M12 quick-disconnect			
Weight g [oz]	63 [2.2]		66 [2.3]	
Electrical				
Operating Voltage	24 VDC			
Operating Voltage Tolerance	± 10%			
Rated Operational Current	45 mA		55 mA	
Continuous Output Current	200 mA			
Rated Inrush Current	700 mA			
Logic	NPN	PNP	NPN	PNP
Overvoltage Category	Cat I			
Insulation Voltage	Ui = 50V / Uimp = 330V			
Optical Data				
Light Source	LED			
Light Color	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			Continuous	
Audio Frequency			3480 Hz	
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			

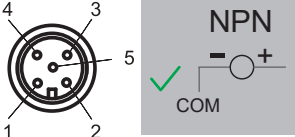
To obtain the most current agency approval information, see the Agency Compliance & Certifications Checklist section on the specific part number's web page.

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Wiring Diagrams

24026055, 24028055

MC55 Touch Series NPN Beacons Wiring

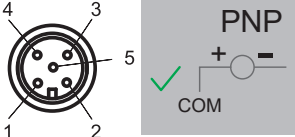


Pin					Color
1	2	3 Com	4	5	
NC	(±) V	(±)	Maintained when touched, but min. 100 ms Pulse	(±) V	Red
(±) V	NC				Green
(±) V	(±) V				Yellow

Note: NC = No connection

24027055, 24029055

MC55 Touch Series PNP Beacons Wiring



Pin					Color
1	2	3 Com	4	5*	
NC	(±) V	(±)	Maintained when touched, but min. 100 ms Pulse	(±) V 	Red
(±) V	NC				Green
(±) V	(±) V				Yellow

Note: NC = No connection