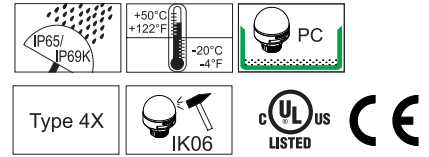
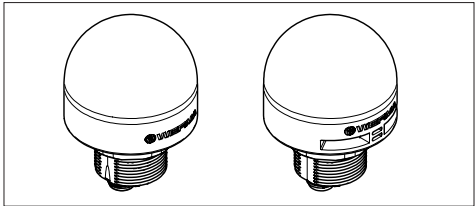


# MC55 RGB, RGY, IO-Link & Smart



**UK CA** WERMA (UK) Ltd.,  
NN15 6FD,  
United Kingdom



**DE** Anschluss **ausschließlich** durch ausgebildete Elektro-Fachkräfte.

**GB** Electrical connection is to be made by trained electrical specialists **only**.

**FR** Le branchement doit **uniquement** être effectué par des professionnels.

**IT** Il collegamento deve essere eseguito **solo** da elettricisti specializzati.

**ES** La conexión **sólo** debe ser realizada por electricistas debidamente formados.

**PT** A ligação deve ser feita **exclusivamente** por profissional elétrico especializado.

**NL** De aansluiting mag **enkel** gebeuren door erkende vakmensen.

**CZ** Připojení smí **provádět** pouze kvalifikovaný personál.

**PL** Podłączenie **wyłącznie** przez specjalistów-elektryków.

**FI** Liittäminen kuuluu **ainoastaan** koulutettujen sähköalan ammattilaisten tehtäviin.

**RU** Подключение проводится только специалистом-электриком.

**TR** Bağlantı **sadece** eğitimli elektrik teknisyenleri tarafından yapılmalıdır.

**CN** 布线需由专业电工执行。

240 520 00 / 240 520 01

For UL use, a Class 2 power supply or a voltage source with a fuse according to UL 248 (JDYX2/8) must be used.

The fuse shall be rated max. T 1.25 A and shall be installed in the 24 V DC power supply to the device in order to limit the available current. This fuse shall be installed by the installer.

MC55 RGB Permanent

| Description        | Material number | Limited Voltage | Current                                       |
|--------------------|-----------------|-----------------|-----------------------------------------------|
| MC55 RGB permanent | 240 320 50      | 10 - 30 V DC    | I ≤ 100 mA @ 24 V<br>I <sub>0</sub> < 1000 mA |
| MC55 RGB permanent | 240 340 50      | 10 - 30 V DC    | I ≤ 105 mA @ 24 V<br>I <sub>0</sub> < 1000 mA |

| Pin  |      |       |      |        | Colour |
|------|------|-------|------|--------|--------|
| 1    | 2    | 3 Com | 4    | 5*     |        |
| NC   | NC   | (±)   | (±)V | (±)V * | RD     |
| (±)V | NC   |       | NC   |        | GN     |
| (±)V | NC   |       | (±)V |        | YE     |
| NC   | (±)V |       | NC   |        | BU     |
| (±)V | (±)V |       | (±)V |        | WH     |
| NC   | (±)V | (±)V  | (±)V | VT     |        |
| (±)V | (±)V | NC    | NC   | TQ     |        |

\* 240 340 50  
NC = not connected

MC55 RGY Permanent

| Description        | Material number | Limited Voltage | Current                              |
|--------------------|-----------------|-----------------|--------------------------------------|
| MC55 RGY permanent | 240 420 55      | 24 V DC         | I ≤ 42 mA<br>I <sub>0</sub> < 750 mA |
| MC55 RGY permanent | 240 440 55      | 24 V DC         | I ≤ 60 mA<br>I <sub>0</sub> < 750 mA |

| Pin  |      |       |      |        | Colour |
|------|------|-------|------|--------|--------|
| 1    | 2    | 3 Com | 4    | 5*     |        |
| NC   | NC   | (±)   | (±)V | (±)V * | RD     |
| (±)V | NC   |       | NC   |        | GN     |
| NC   | (±)V |       | NC   |        | YE     |

\* 240 440 55  
NC = not connected

MC55 RGB IO-Link

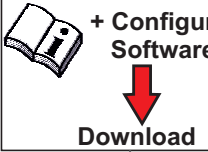
| Description      | Material number | Limited Voltage | Current                                     |
|------------------|-----------------|-----------------|---------------------------------------------|
| MC55 RGB IO-Link | 240 510 00      | 18 - 30 V DC    | I ≤ 55 mA @ 24 V<br>I <sub>0</sub> < 350 mA |
| MC55 RGB IO-Link | 240 510 01      | 18 - 30 V DC    | I ≤ 55 mA @ 24 V<br>I <sub>0</sub> < 350 mA |

| M12 pin | MC55 IO-Link     | M12 pin | MC55 IO-Link |
|---------|------------------|---------|--------------|
| 1       | L+               | 3       | L-           |
| 2       | +24 V (optional) | 4       | C/Q          |

| MC55 RGB Smart |                 |                 |                                                  |           |
|----------------|-----------------|-----------------|--------------------------------------------------|-----------|
| Description    | Material number | Limited Voltage | Current                                          | Max. Load |
| MC55 RGB Smart | 240 520 00      | 24 V DC         | $I \leq 60 \text{ mA}$<br>$I_0 < 660 \text{ mA}$ | 200 mA    |
| MC55 RGB Smart | 240 520 01      | 24 V DC         | $I \leq 70 \text{ mA}$<br>$I_0 < 660 \text{ mA}$ | 200 mA    |

| Pin  |      |       |                                 |      | Function                                             |
|------|------|-------|---------------------------------|------|------------------------------------------------------|
| 1    | 2    | 3 Com | 4 Output/ Input                 | 5*   |                                                      |
| (±)V | NC   | (±)   | Configurable as Input or Output | NC   | Config Colour, Light Pattern and Sound with Software |
| NC   | (±)V |       |                                 | NC   |                                                      |
| NC   | NC   |       |                                 | (±)V |                                                      |
| (±)V | (±)V |       |                                 | NC   |                                                      |
| (±)V | NC   |       |                                 | (±)V |                                                      |
| NC   | (±)V |       |                                 | (±)V |                                                      |
| (±)V | (±)V |       |                                 | (±)V |                                                      |

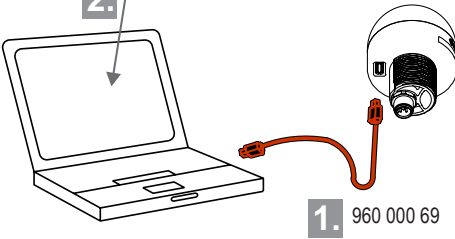
NC = not connected



**+ Configuration Software**

**Download**

**2.**

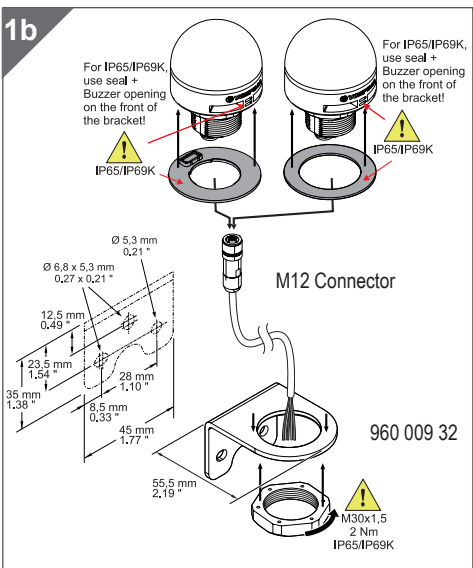
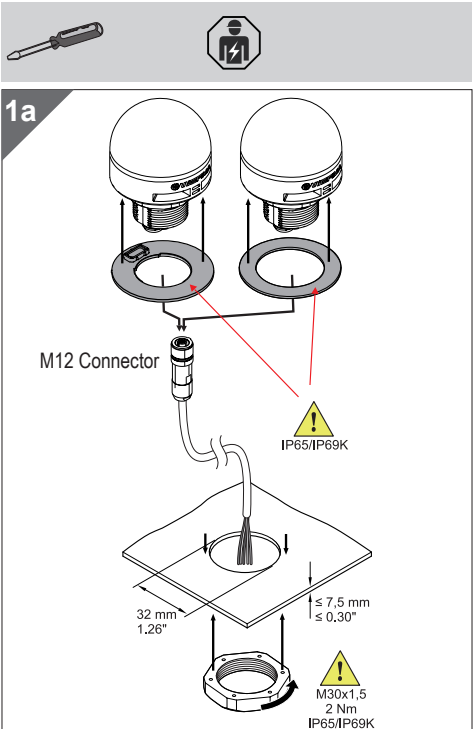


**1.**

960 000 69



[www.werma.com/software](http://www.werma.com/software)



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310.240.010





**Marking of Hazardous Substances**  
**有害物质标识**

WERMA Signaltechnik GmbH + Co. KG  
Dürbheimer Straße 15  
78604 Rietheim-Weilheim / Germany

WERMA article number 伟马快德物料号:  
241 510 00, 240 510 02, 240 510 02, 241 220 55, 241 320 50, 241 420 55, 240 320 50, 240 420 55  
240 240 55, 240 280 55, 240 160 55, 240 600 09, 240 600 11, 240 610 02, 240 620 02

According to the SJ/T 11364-2024 Standard of the People's Republic of China for the Electronic Industry  
本表格依据中华人民共和国 SJ/T 11364-2024 的规定编制

| Component Name<br>部件名称                   | Lead<br>铅(Pb) | Mercury<br>汞(Hg) | Cadmium<br>镉(Cd) | Hexavalent Chromium<br>六价铬(Cr(VI)) | Polybrominated biphenyls<br>多溴联苯(PBB) | Polybrominated diphenyl ethers<br>多溴二苯醚(PBDE) | 4 phthalates<br>(DBP, DEHP, BBP, DIBP)<br>4种邻苯二甲酸酯<br>(DBP, DEHP, BBP, DIBP) |
|------------------------------------------|---------------|------------------|------------------|------------------------------------|---------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------|
| Plastic parts<br>塑料件                     | ○             | ○                | ○                | ○                                  | ○                                     | ○                                             | ○                                                                            |
| Label<br>标签                              | ○             | ○                | ○                | ○                                  | ○                                     | ○                                             | ○                                                                            |
| PCB and its electr. comp.<br>印制电路板及其电子元件 | X*            | ○                | ○                | ○                                  | ○                                     | ○                                             | ○                                                                            |
| M12 plug and cable<br>M12插头和电缆           | X*            | ○                | ○                | ○                                  | ○                                     | ○                                             | ○                                                                            |

1500 0000 4595 - AA 1/2



**Marking of Hazardous Substances**  
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Dürbheimer Straße 15  
78604 Rietheim-Weilheim / Germany

WERMA article number 伟马快德物料号:  
240 170 55, 240 270 55, 240 290 55, 240 340 50, 240 440 55, 240 510 01, 240 510 03, 240 520 01, 240 600 10, 240 600 12, 240 610 03, 240 620 03, 241 240 55, 241 340 50, 241 440 55, 241 510 01

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|------------------------------------------|---------------|------------------|------------------|------------------------------------|---------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------|
| Plastic parts<br>塑料件                     | ○             | ○                | ○                | ○                                  | ○                                     | ○                                             | ○                                                                            |
| Label<br>标签                              | ○             | ○                | ○                | ○                                  | ○                                     | ○                                             | ○                                                                            |
| PCB and its electr. comp.<br>印制电路板及其电子元件 | X*            | ○                | ○                | ○                                  | ○                                     | ○                                             | ○                                                                            |
| Buzzer<br>蜂鸣器                            | X*            | ○                | ○                | ○                                  | ○                                     | ○                                             | ○                                                                            |
| M12 plug and cable<br>M12插头和电缆           | X*            | ○                | ○                | ○                                  | ○                                     | ○                                             | ○                                                                            |

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This table was developed according to the provisions of SJ/T 11364-2024  
本表格依据 SJ/T 11364-2024 的规定编制

O: The content of such hazardous substance in all homogeneous materials of such component is below the limit required by GB/T 26572-2011.  
表内该有害物质在该部件所有均质材料中的含量均在 GB/T 26572-2011 规定的限量要求以下。  
X: The content of such hazardous substance in all homogeneous materials of such component is beyond the limit required by GB/T 26572-2011.  
表内该有害物质在该部件的所有均质材料中的含量超出 GB/T 26572-2011 规定的限量要求。

Enterprises may further explain the technical reasons for ticking "X" in the table above according to their actual situation herein.  
企业可在此处, 根据实际情况下表中打"X"的技术原因进行进一步说明。

\*Exemptions according to EU RoHS 2011/65 Annex II and IV might be applied  
\*欧盟 RoHS 2011/65 附件 II 和 IV 的豁免可能适用

■ Restricted substances beyond limit required by GB/T 26572-2011.  
限制物质的含量超过 GB/T 26572-2011 规定的限量

EFUP (Environment Friendly Use Period) 环保使用期限: 20

Rietheim 里特姆 12.03.2026  
Place and date of issue 签发地点和日期

L.V. 授权 D. Kensy  
Director RAD 研发总监

ppa. D. Kensy  
Director RAD

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O: The content of such hazardous substance in all homogeneous materials of such component is below the limit required by GB/T 26572-2011.  
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限制物质的含量超过 GB/T 26572-2011 规定的限量

EFUP (Environment Friendly Use Period) 环保使用期限: 10

Rietheim 里特姆 19.03.2026  
Place and date of issue 签发地点和日期

ppa. D. Kensy  
Director RAD

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