The FMC-120-DKM Manual Call Points handle manual alarm triggering and are used with conventional technology.

**Functions**

In the event of an alarm, the glass pane (2) is broken first, then the manual call point (3) is pressed hard. This activates the micro switch for alarm triggering and the indicator LED (4) blinks. A locking mechanism holds the pressed manual call point. The manual call point can be reset with the reset lever (5). The indicator LED (4) goes out. This does not reset the alarm on the fire panel.

**Variants**

The design of the manual call points for indoor (form G) and outdoor use (form H) are identical. Three color variants, red, blue, and yellow are available. Detectors for outdoor use (form H) have a cover equipped with a seal.

**Certifications and Approvals**

<table>
<thead>
<tr>
<th>Type Number</th>
<th>Complies with</th>
</tr>
</thead>
<tbody>
<tr>
<td>FMC-120-DKM-G-Y</td>
<td>EN12094-3:2003</td>
</tr>
<tr>
<td>FMC-120-EST-G-B</td>
<td>EN12094-3:2003</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Region</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td></td>
</tr>
<tr>
<td></td>
<td>VdS G 298061 FMC-120-DKM-G-R/-H-R_G298061</td>
</tr>
<tr>
<td></td>
<td>VdS G 206079 FMC-120-DKM-G-Y_G206079</td>
</tr>
<tr>
<td></td>
<td>VdS G 206080 FMC-120-EST-G-B/-H-HE_G206080</td>
</tr>
</tbody>
</table>
Region Certification
PTB 01 ATEX 2163 X OTC/OC 310/410, OT/O/T 300/400, DKM/SKM 120, DM/SM 210, MPA_01 ATEX 2163 X
PTB 01 ATEX 2163 X FMC-120-DKM
Europe CE FMC-120-EST-G-B/-DKM-G-Y
CE FMC-120-DKM-G-R/H-R
CE FMC-120-DKM-G-B/-H-B
CPD 0786-CPD-20294 FMC-120-DKM-G/H-R
CPD 0786-CPD-20231 FMC-120-DKM-G-Y
CPD 0786-CPD-20232 FMC-120-EST-G-B/-H-HE

Installation/Configuration Notes
- Manual call points have to be mounted visibly along escape and rescue routes (e.g. exits, passageways, stairwells) and be easily accessible.
- An installation height of 1400 mm ±200 mm, measured from the middle of the manual call point to the floor, must be maintained.
- Manual call points must be illuminated sufficiently with daylight or another light source (including emergency lighting, if present).
- Max. one test detector may be used for primary lines together with automatic detectors. The test detector is connected at the end of the primary line.
- Further standards, guidelines and planning recommendations regarding the installation location etc., should also be taken into consideration (see Fire Detection manual).
- Regulations of local fire departments must be observed.

Installation
- Cables can be inserted surface-mounted or flush-mounted.
- Installation in fire hose cabinets is possible in three ways:

<table>
<thead>
<tr>
<th>Pos.</th>
<th>Description</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Installation depth version 1: 36 mm</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Installation depth version 2: 14 mm</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Installation depth version 3: approx. 30 mm</td>
<td></td>
</tr>
</tbody>
</table>

Technical Specifications

**Electrical**
- Operating voltage: 24 V DC (16.2 V DC . . . 30 V DC)
- Current consumption: Specified by the respective security system

**Mechanics**
- Dimensions (W x H x D): 135 x 135 x 37 mm / 5.31 x 5.31 x 1.4 in.
- Housing material: Plastic (ASA)
- Colors: Red, RAL 3001 Blue, RAL 5005 Yellow, RAL 1003
- Weight: Approx. 224 g
## Environmental conditions

<table>
<thead>
<tr>
<th>Protection class as per EN 60529</th>
<th>Form G (indoor area)</th>
<th>Form H (outdoor area)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IP 52</strong></td>
<td><strong>IP 54</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EN 54-11</strong></td>
<td><strong>EN 12094-3</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Permissible operating temperature</th>
<th>Form G (indoor area)</th>
<th>Form H (outdoor area)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-10 °C . . . +55 °C / 14 °F ... 131 °F</td>
<td></td>
</tr>
<tr>
<td></td>
<td>-25 °C . . . +70 °C / -13 °F ... 158 °F</td>
<td></td>
</tr>
</tbody>
</table>

## Ordering Information

**FMC-120-DKM-G-R Form G, Red**  
Manual Call Point for indoor use, indirect alarm triggering (type B), conventional technology  
Order number **FMC-120-DKM-G-R**

**FMC-120-DKM-H-R Form H, Red**  
Manual Call Point for outdoor use, indirect alarm triggering (type B), conventional technology  
Order number **FMC-120-DKM-H-R**

**FMC-120-DKM-G-B Form G, Blue**  
Manual Call Point for indoor use, indirect triggering (type B), conventional technology  
Order number **FMC-120-DKM-G-B**

**FMC-120-DKM-H-B Form H, Blue**  
Manual Call Point for outdoor use, indirect triggering (type B), conventional technology  
Order number **FMC-120-DKM-H-B**

**FMC-120-DKM-G-Y Form G, Yellow**  
Manual Call Point for indoor use, indirect triggering (type B), conventional technology  
Order number **FMC-120-DKM-G-Y**

**FMC-120-EST-G-B Form G, Blue**  
Electronic Stop Device for indoor use, indirect triggering (type B), conventional technology  
Order number **FMC-120-EST-G-B**

### Accessories

**FMX-FSO-GLT**  
Punched, Self-adhesive Foil Sets (Blank)  
For the labeling field of conventional manual call points of the Series FMC-120, 1 unit = 10 sheets  
Order number **FMX-FSO-GLT**

**FMC-FST-DE**  
Printed Labeling Foils for the Upper Label Field  
For yellow and blue manual call points of Series FMC-120 and FMC-210, 1 unit = 5 sheets  
Order number **FMC-FST-DE**

**FMC-SPGL-DEIL**  
Spare Glasses  
1 unit = 5 spare glasses  
Order number **FMC-SPGL-DEIL**

**Key for Fire Detectors Types G and H**  
Made of red plastic (ASA)  
Order number **FMM-KEY-Form G/H**
### FMC-120-DKM Double Action Call Points

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Red Call Point" /></td>
<td><img src="image2" alt="Red Call Point" /></td>
<td><img src="image3" alt="Blue Call Point" /></td>
</tr>
</tbody>
</table>

**Range of use**
- indoor
- outdoor
- indoor

**Mounting**
- surface-mounted/flush-mounted
- surface-mounted/flush-mounted
- surface-mounted/flush-mounted

**Operating voltage**
- 16.2 V DC ... 30 V DC
- 16.2 V DC ... 30 V DC
- 16.2 V DC ... 30 V DC

**Current consumption**
- specified by the respective security system
- specified by the respective security system
- specified by the respective security system

**Protection category**
- IP 52
- IP 54
- IP 52

**Permissible operating temperature**
- -10°C ... +55°C
- -25°C ... +70°C
- -10°C ... +55°C

**Color**
- red, RAL 3001
- red, RAL 3001
- blue, RAL 5005

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<table>
<thead>
<tr>
<th>FMC-120-DKM-H-B Form H, Blue</th>
<th>FMC-120-DKM-G-Y Form G, Yellow</th>
<th>FMC-120-EST-G-B Form G, Blue</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4" alt="Blue Call Point" /></td>
<td><img src="image5" alt="Yellow Call Point" /></td>
<td><img src="image6" alt="Blue Call Point" /></td>
</tr>
</tbody>
</table>

**Range of use**
- outdoor
- indoor
- indoor

**Mounting**
- surface-mounted/flush-mounted
- surface-mounted/flush-mounted
- surface-mounted/flush-mounted

**Operating voltage**
- 16.2 V DC ... 30 V DC
- 16.2 V DC ... 30 V DC
- 16.2 V DC ... 30 V DC

**Current consumption**
- specified by the respective security system
- specified by the respective security system
- specified by the respective security system

**Protection category**
- IP 54
- IP 52
- IP 52

**Permissible operating temperature**
- -25°C ... +70°C
- -10°C ... +55°C
- -10°C ... +55°C

**Color**
- blue, RAL 5005
- yellow, RAL 1003
- blue, RAL 5005

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