

## Acoustic Signaling Devices

**FNM-320****FNM-420-A****FNM-420-A-BS**

|   | <b>FNM-320</b>   | <b>FNM-420-A</b>                    | <b>FNM-420-A-BS</b>                 |
|---|--|-------------------------------------|-------------------------------------|
| <b>LSN/Conventional</b>                         | Conventional   | LSN                                 | LSN                                 |
| <b>Operating voltage</b>                        | 9 V DC to 30 V DC  | 15 V DC to 33 V DC                  | 15 V DC to 33 V DC                  |
| <b>Current consumption from LSN</b>             | -  | Standby: <1 mA<br>Alarm: <3.9 mA    | Standby: <1 mA<br>Alarm: <3.7 mA    |
| <b>Current consumption from external source</b> | FNM-320-LEDSRD: 36 mA<br>All other variants: 33 mA                             | -                                   | -                                   |
| <b>Protection category</b>                      | IP 54 (flush-mounted base)<br>IP 65 (surface-mounted base)                     | IP 42                               | IP 43                               |
| <b>Permissible operating temperature</b>        | FNM-320-LEDSRD:<br>-25 °C to +70 °C<br>All other variants:<br>-10 °C to +55 °C | -25 °C to +70 °C                    | -25 °C to +70 °C                    |
| <b>Sound pressure</b>                           | 105 dB(A) at 12 V<br>112 dB(A) at 24 V   | Max. 100 dB(A)                      | Max. 90 dB(A)                       |
| <b>Color</b>                                    | red (RAL 3001),<br>white (RAL 9010)  | red (RAL 3001),<br>white (RAL 9010) | red (RAL 3001),<br>white (RAL 9010) |

Acoustic Signaling Devices



**FNM-420-B-RD**



**MSS300-SA**



**MSS400LSN-SA**

|   | <b>FNM-420-B-RD</b>              | <b>MSS300-SA</b>                   | <b>MSS400LSN-SA</b>           |
|---|----------------------------------|------------------------------------|-------------------------------|
| <b>LSN/Conventional</b>                         | LSN                              | Conventional                       | LSN                           |
| <b>Operating voltage</b>                        | 15 V DC to 33 V DC               | 9 V DC to 30 V DC                  | 15 V DC to 33 V DC            |
| <b>Current consumption from LSN</b>             | Standby: <1 mA<br>Alarm: <3.9 mA | –                                  | Standby: 2 mA<br>Alarm: 20 mA |
| <b>Current consumption from external source</b> | –                                | Standby: 1 mA<br>Alarm: max. 20 mA | –                             |
| <b>Protection category</b>                      | IP 66                            | IP 54                              | IP 54                         |
| <b>Permissible operating temperature</b>        | -25 °C to +70 °C                 | -10 °C to +55 °C                   | -25 °C to +55 °C              |
| <b>Sound pressure</b>                           | Max. 100 dB(A)                   | 87 dB(A) to 100 dB(A)              | 87 dB(A) to 100 dB(A)         |
| <b>Color</b>                                    | red (RAL 3001)                   | red (RAL 3001)                     | red (RAL 3001)                |

## Acoustic Signaling Devices

**MSS401LSN-SA-RD****DS 10****HPW/11**

|   | <b>MSS401LSN-SA-RD</b>              | <b>DS 10</b>                                     | <b>HPW/11</b>    |
|---|-------------------------------------|--|------------------|
| <b>LSN/Conventional</b>                         | LSN                                 | Conventional                                     | Conventional     |
| <b>Operating voltage</b>                        | 15 V DC to 33 V DC                  | 230 V AC, 24 V DC                                | 230 V AC         |
| <b>Current consumption from LSN</b>             | Standby/Alarm: max.<br>1.025 mA     | –  | –                |
| <b>Current consumption from external source</b> | Standby: 2 mA<br>Alarm: 20 mA       | 230 V type: max. 60 mA<br>24 V type: max. 420 mA | 100 mA           |
| <b>Protection category</b>                      | IP 54                               | IP 55  | IP 55            |
| <b>Permissible operating temperature</b>        | -25 °C to +55 °C                    | -25 °C to +55 °C                                 | -20 °C to +60 °C |
| <b>Sound pressure</b>                           | 87 dB(A) to 100 dB(A)               | 105 dB(A) to 110 dB(A)                           | approx. 110dB(A) |
| <b>Color</b>                                    | red (RAL 3001),<br>white (RAL 9010) | red (RAL 2002)                                   | light gray       |