## KombiSIGN 50 / Buzzer Devices 849 Buzzer element contin/pulse 230VAC BK



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| Series:Kombistich SuKullMECHANICAL DATAHeight72 mmDiameter52 mmMaterialsPCHousing colourBlackProtection categoryIP54Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging64 gProduct weight53 gELECTRICAL DATAOperating voltage typeACOperating voltage trequency50HzOperating voltage trequency50HzOperating voltage tolerance+/-10%Rated operational voltage230 VACRated operational voltage230 VACRated operational current35 mARated operational current35 mAPolution degree3Overvoltage categoryIIsolation voltage2500 HzAcoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with ULCULusJL Type RatingType 12  | Part No.:                    | 849.000.68   |                          |  |
|--|------------------------------|--------------|--------------------------|--|
| Height72 mmDiameter52 mmMaterialsPCHousing colourBlackProtection categoryIP54Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging64 gProduct weight53 gELECTRICAL DATADeparating voltage230VOperating voltage frequency50HzOperating voltage frequency50HzDeparating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational voltage230 VACRated operational current35 mARated operational current35 mAProtection classProtection class 2Pollution degree3Outervoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VAcoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAcoustic service lifeYesConforms with ACEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with ULCULusJu Type RatingType 12                                 | Series:                      | KombiSIGN 50 |                          |  |
| Diameter52 mmMaterialsPCHousing colourBlackProtection categoryIP54Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging64 gProduct weight53 gELECTRICAL DATAOperating voltage typeACOperating voltage frequency50HzOperating voltage frequency50HzOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational voltage230 VACRated operational current35 mARated inrush current450 mAProtection classProtection class 2Pollution degree3Outrov ltageUi = 250V; Uimp = 2.500VACOUSTIC DATAContinuous tone<br>Pulse toneVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service lifeYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with ULCULusJL Type RatingType 12 | MECHANICAL DATA              |              |                          |  |
| MaterialsPCHousing colourBlackProtection categoryIP54Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging64 gProduct weight53 gELECTRICAL DATAOperating voltage typeACOperating voltage typeACOperating voltage trequency50HzOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current35 mARated operational current35 mARated inrush current450 mAPortection classProtection class 2Pollution degree3Overvoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VAcoustic signal imageContinuous tone<br>Pulse toneAcoustic service life5,000 h minimumAcoustic service lifeYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Height                       |              | 72 mm                    |  |
| Housing colourBlackProtection categoryIP54Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging64 gProduct weight53 gELECTRICAL DATADiperating voltage230VOperating voltage typeACDiperating voltage frequency50HzDiperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current35 mARated operational current35 mARated inrush current450 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VAcoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service lifeYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12   | Diameter                     |              | 52 mm                    |  |
| Protection categoryIP54Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging64 gProduct weight53 gELECTRICAL DATA  | Materials                    |              | PC                       |  |
| Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging64 gProduct weight53 gELECTRICAL DATA   | Housing colour               |              | Black                    |  |
| Working temperature maximum+50°CWeight with packaging64 gProduct weight53 gPercent CAL DATA53 gOperating voltage typeACOperating voltage typeACOperating voltage typeACOperating voltage typeACOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current35 mARated operational current35 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VAccoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with ULCULusJL Type RatingType 12  | Protection category          |              | IP54                     |  |
| Weight with packaging64 gProduct weight53 gProduct weight53 gPercenting voltage230VOperating voltage typeACOperating voltage frequency50HzOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational voltage230 VACRated operational current35 mARated inrush current450 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIIsolation voltageVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12   | Working temperature minimum  |              | -20°C                    |  |
| Product weight53 gELECTRICAL DATADeprating voltage230VOperating voltage typeACDeprating voltage frequency50HzDeprating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current35 mARated operational current35 mARated inrush current450 mAProtection classProtection class 2Pollution degree3Dervoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with AHEX-directiveNoConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Working temperature maximum  |              | +50°C                    |  |
| ELECTRICAL DATAOperating voltage230VOperating voltage typeACOperating voltage frequency50HzOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current35 mARated operational current450 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Weight with packaging        |              | 64 g                     |  |
| Deperating voltage230VOperating voltage typeACOperating voltage frequency50HzOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current35 mARated inrush current450 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATASolo B (A)Volume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with CCCNoConforms with ULCULusJL Type RatingType 12  | Product weight               |              | 53 g                     |  |
| Depending voltage typeACOperating voltage trequency50HzOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current35 mARated inrush current450 mAProtection classProtection class 2Pollution degree3Dervoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | ELECTRIC                     | AL DATA      |                          |  |
| Derating voltage frequency50HzOperating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current35 mARated inrush current450 mAProtection classProtection class 2Pollution degree3Dovervoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12   | Operating voltage            |              | 230V                     |  |
| Deprating voltage tolerance+/- 10%Rated operational voltage230 VACRated operational current35 mARated inrush current450 mAProtection classProtection class 2Pollution degree3Dovervoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Operating voltage type       |              | AC                       |  |
| Rated operational voltage230 VACRated operational current35 mARated inrush current450 mAProtection classProtection class 2Pollution degree3Dovervoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with ULcULusJL Type RatingType 12  | Operating voltage frequency  |              | 50Hz                     |  |
| Rated operational current35 mARated inrush current450 mAProtection classProtection class 2Pollution degree3Dvervoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Operating voltage tolerance  |              | +/- 10%                  |  |
| Rated inrush current450 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAUi = 250V; Uimp = 2.500VVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Rated operational voltage    |              | 230 VAC                  |  |
| Protection classProtection class 2Pollution degree3Overvoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATA85,0 dB (A)Volume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Rated operational current    |              | 35 mA                    |  |
| Pollution degree3Overvoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with ULCULusJL Type RatingType 12   | Rated inrush current         |              | 450 mA                   |  |
| Dvervoltage categoryIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULCULusJL Type RatingType 12   | Protection class             |              | Protection class 2       |  |
| solation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULCULusJL Type RatingType 12  | Pollution degree             |              | 3                        |  |
| ACOUSTIC DATA<br>Volume (max) at 1m distance 85,0 dB (A)<br>Acoustic signal image Continuous tone<br>Pulse tone<br>Audio frequency 2500 Hz<br>Acoustic service life 5,000 h minimum<br>APPROVAL DATA<br>Conforms with CE Yes<br>Conforms with RoHS directive Yes<br>WEEE Yes<br>Conforms with ATEX-directive No<br>Conforms with ATEX-directive No<br>Conforms with CCC No<br>Conforms with UL CLUS  | Overvoltage category         |              | II                       |  |
| Volume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Isolation vo                 | oltage       | Ui = 250V; Uimp = 2.500V |  |
| Acoustic signal imageContinuous tone<br>Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULCULusJL Type RatingType 12   | ACOUSTIC                     | CDATA        |                          |  |
| Pulse toneAudio frequency2500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12   | Volume (max) at 1m distance  |              | 85,0 dB (A)              |  |
| Acoustic service life5,000 h minimumAPPROVAL DATAConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Acoustic signal image        |              |                          |  |
| APPROVAL DATAConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Audio frequency              |              | 2500 Hz                  |  |
| Conforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12   | Acoustic service life        |              | 5,000 h minimum          |  |
| Conforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | APPROVA                      | L DATA       |                          |  |
| WEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12   | Conforms with CE             |              | Yes                      |  |
| Conforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusJL Type RatingType 12  | Conforms with RoHS directive |              | Yes                      |  |
| Conforms with CCCNoConforms with ULcULusJL Type RatingType 12  | WEEE                         |              | Yes                      |  |
| Conforms with ULcULusJL Type RatingType 12   | Conforms with ATEX-directive |              | No                       |  |
| JL Type Rating Type 12   | Conforms with CCC            |              | No                       |  |
|  | Conforms with UL             |              | cULus                    |  |
|  | UL Type Rating               |              | Type 12                  |  |
|  | Conforms with FCC            |              | No                       |  |

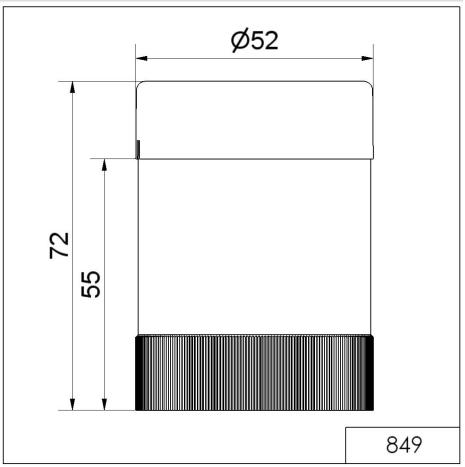
For additional installation and mounting information, refer to the appropriate user guide at www.werma.com. This printed copy is for information only and is subject to alteration.

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## KombiSIGN 50 / Buzzer Devices 849 Buzzer element contin/pulse 230VAC BK

| Conforms with IC              | No                    |
|-------------------------------|-----------------------|
| EAC certificate available     | Yes                   |
| Conforms with UKCA (Importer) | Yes (WERMA (UK) Ltd.) |
| Conforms with CMIM            | No                    |
| Conforms with AS-I            | No                    |
| ICAO Certification            | No                    |
| Conforms with DNV             | No                    |
| Conforms with RoHS CN         | No                    |
| Conforms with VdS             | No                    |

## DRAWING



For additional installation and mounting information, refer to the appropriate user guide at www.werma.com. This printed copy is for information only and is subject to alteration.