## KombiSIGN 71 / Audible Devices 645 Buzzer element contin/pulse 115VAC BK



Series:Kombisition / 1MECHANICAL DATAHeight72 mmDiameter70 mmMaterialsPCHousing colourBlackProtection categoryIP65Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging88 gProduct weight74 gELECTRICAL DATAOperating voltage115VOperating voltage frequency60HzOperating voltage frequency60HzOperating voltage tolerance+/- 10%Rated operational voltage115 VACRated operational current17 mARated operational current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceAlso di frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with R0HS directiveYesConforms with R0HS directiveYesConforms with ATEX-directiveNoConforms with ULCULusUL Type RatingType 12	Part No.:	645.800.77	
Height72 mmDiameter70 mmMaterialsPCHousing colourBlackProtection categoryIP65Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging88 gProduct weight74 gELECTRICAL DATAOperating voltage frequencyOperating voltage frequencyOperating voltage frequency60HzOperating voltage frequency60HzOperating voltage tolerance+/- 10%Rated operational voltage115 VACRated operational current17 mARated inrush current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIlsolation voltage10 i = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	Series:	KombiSIGN 71	
Diameter70 mmMaterialsPCHousing colourBlackProtection categoryIP65Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging88 gProduct weight74 gELECTRICAL DATAOperating voltage typeACOperating voltage frequency60HzOperating voltage tolerance+/- 10%Rated operational voltage115 VACRated operational voltage115 VACRated operational current17 mARated inrush current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIlsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAS5,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	MECHANI	CAL DATA	
MaterialsPCHousing colourBlackProtection categoryIP65Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging88 gProduct weight74 gELECTRICAL DATAOperating voltage115VOperating voltage typeACOperating voltage trequency60HzOperating voltage tolerance+/- 10%Rated operational current17 mARated operational current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VAcoustic signal imageContinuous toneAcoustic service life5,000 h minimumAcoustic service lifeYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	Height		72 mm
Housing colourBlackProtection categoryIP65Working temperature minimum-20°CWorking temperature maximum+50°CWeight with packaging88 gProduct weight74 gELECTRICAL DATAOperating voltage115VOperating voltage typeACOperating voltage frequency60HzOperating voltage tolerance+/- 10%Rated operational voltage115 VACRated operational current17 mARated operational current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VAcoustic signal imageContinuous toneAudio frequency3500 HzAcoustic service lifeYesConforms with CEYesConforms with RMS directiveYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	Diameter		70 mm
Protection category IP65 Working temperature minimum -20°C Weight with packaging 88 g Product weight 74 g ELECTRICAL DATA Operating voltage 115V Operating voltage type AC Operating voltage frequency 60Hz Operating voltage frequency 115 VAC Rated operational voltage 115 VAC Rated operational voltage 115 VAC Rated operational current 17 mA Rated inrush current 750 mA Protection class Protection class 2 Pollution degree 3 Overvoltage category II Isolation voltage UI = 250V; Uimp = 2.500V ACOUSTIC DATA Volume (max) at 1m distance 85,0 dB (A) Acoustic signal image Continuous tone Pulse tone Audio frequency 3500 Hz Acoustic service life 5,000 h minimum APPROVAL DATA Conforms with CE Yes Conforms with RoHS directive Yes WEEE Yes Conforms with ATEX-directive No Conforms with ATEX-directive No Conforms with ATEX-directive No Conforms with CCC No Conforms with UL cULus UL Type Rating Type 12	Materials		PC
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Weight with packaging88 gProduct weight74 gELECTRICAL DATAOperating voltage typeACOperating voltage typeACOperating voltage typeACOperating voltage trequency60HzOperating voltage tolerance+/- 10%Rated operational voltage115 VACRated operational current17 mARated operational current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAContinuous tone Pulse toneVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with ATEX-directiveNoConforms with ULcULusUL Type RatingType 12	Working temperature minimum		-20°C
Product weight74 gELECTRICAL DATAOperating voltage115VOperating voltage typeACOperating voltage frequency60HzOperating voltage tolerance+/- 10%Rated operational voltage115 VACRated operational current17 mARated inrush current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAS5,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service lifeYesConforms with CEYesConforms with RoHS directiveYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusULType RatingType 12	Working te	mperature maximum	+50°C
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Operating voltage115VOperating voltage typeACOperating voltage frequency60HzOperating voltage tolerance+/- 10%Rated operational voltage115 VACRated operational current17 mARated inrush current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAS5,0 dB (A)Volume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service lifeYesConforms with CEYesConforms with RoHS directiveYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULCULusUL Type RatingType 12	Product weight		74 g
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Operating voltage tolerance+/- 10%Rated operational voltage115 VACRated operational current17 mARated inrush current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULCULusCurrent with ULCULusUL Type RatingType 12	Operating voltage type		AC
Rated operational voltage115 VACRated operational current17 mARated inrush current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULCULusUL Type RatingType 12	Operating voltage frequency		60Hz
Rated operational current17 mARated inrush current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULCULusUL Type RatingType 12	Operating voltage tolerance		+/- 10%
Rated inrush current750 mAProtection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12			115 VAC
Protection classProtection class 2Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distanceVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with ULCULusUL Type RatingType 12	Rated operational current		17 mA
Pollution degree3Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAUi = 250V; Uimp = 2.500VVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULCULusUL Type RatingType 12	Rated inrush current		750 mA
Overvoltage categoryIIIsolation voltageUi = 250V; Uimp = 2.500VACOUSTIC DATAVolume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAYesConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with ULCULusUL Type RatingType 12	Protection class		Protection class 2
Isolation voltage Ui = 250V; Uimp = 2.500V    ACOUSTIC DATA   Volume (max) at 1m distance 85,0 dB (A)   Acoustic signal image Continuous tone Pulse tone   Audio frequency 3500 Hz   Acoustic service life 5,000 h minimum   APPROVAL DATA Yes   Conforms with CE Yes   Conforms with RoHS directive Yes   WEEE Yes   Conforms with ATEX-directive No   Conforms with UL CULus   UL Type Rating Type 12			3
ACOUSTIC DATA Volume (max) at 1m distance 85,0 dB (A) Acoustic signal image Continuous tone Pulse tone Audio frequency 3500 Hz Acoustic service life 5,000 h minimum APPROVAL DATA Conforms with CE Yes Conforms with RoHS directive Yes WEEE Yes Conforms with ATEX-directive No Conforms with ATEX-directive No Conforms with CCC No Conforms with UL CULus UL Type Rating Type 12	Overvoltag	e category	II
Volume (max) at 1m distance85,0 dB (A)Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with ULCULusUL Type RatingType 12	Isolation vo	oltage	Ui = 250V; Uimp = 2.500V
Acoustic signal imageContinuous tone Pulse toneAudio frequency3500 HzAcoustic service life5,000 h minimumAPPROVAL DATAConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	ACOUSTIC	CDATA	
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Acoustic service life5,000 h minimumAPPROVAL DATAConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	Acoustic si	gnal image	
APPROVAL DATAConforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	Audio frequency		3500 Hz
Conforms with CEYesConforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	Acoustic service life		5,000 h minimum
Conforms with RoHS directiveYesWEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	APPROVA	L DATA	
WEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	Conforms with CE		Yes
WEEEYesConforms with ATEX-directiveNoConforms with CCCNoConforms with ULcULusUL Type RatingType 12	Conforms with RoHS directive		Yes
Conforms with CCCNoConforms with ULcULusUL Type RatingType 12	WEEE		Yes
Conforms with ULcULusUL Type RatingType 12	Conforms v	with ATEX-directive	No
UL Type Rating Type 12	Conforms v	with CCC	No
UL Type Rating Type 12	Conforms v	with UL	cULus
	UL Type Rating		
	Conforms with FCC		No

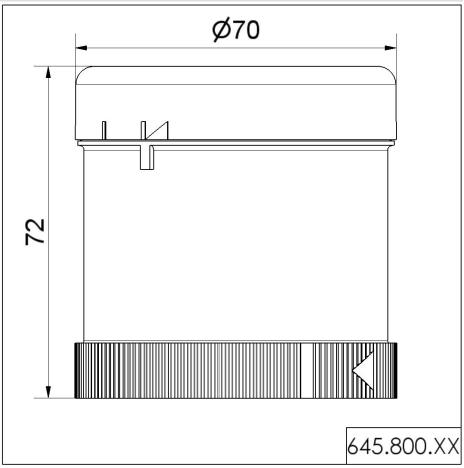
Pror additional installation and mounting information, refer to the appropriate user guide at www.werma.com. This printed copy is for information only and is subject to alteration.

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## KombiSIGN 71 / Audible Devices 645 Buzzer element contin/pulse 115VAC 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.