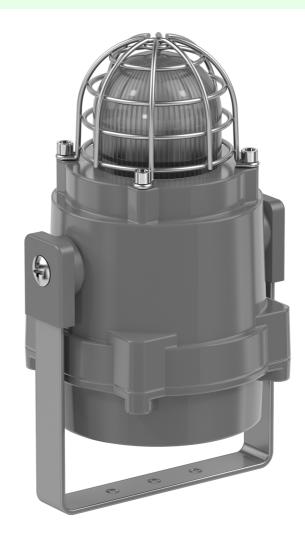
Features

- Automatic synchronisation with systems operation
- Beacons can be set to 'flip-flop' alternating mode with other units on multi-beacon systems
- Glass lens and stainless steel guard
- Degree of protection IP66 / IP67
- Marine grade and corrosion proof LM6 aluminium enclosure
- Ratchet adjustable stainless steel 'U' bracket
- · Reverse polarity diode fitted
- UV stable PC field replaceable lens colour filter
- Xenon tube mechanically secured against shock and vibrations

Assembly



Technical data

Electrical specifications	
Operating voltage	240 V AC, 115 V AC, 24 V DC, further on request
Terminal capacity	0.5 2.5 mm ²
Line monitoring	blocking diode included EOL resistors (AC) or diodes (DC) available on request
Function	flashing beacon
Lens color	red , amber , blue , green , further on request
Energy	5 J
Flash rate	1 Hz
Luminous intensity, peak, calculated	500000 cd , calculated from energy
Luminous intensity, peak, measured	39463 cd , measured according to I.E.S.
Effective luminous intensity, calculated	250 cd , calculated from energy
Effective luminous intensity, measured	120 cd , measured according to I.E.S.
Illuminant, type	xenon tube
Illuminant, life	Luminous intensity reduced to 70% after 5 million flashes
Mechanical specifications	
Degree of protection	IP66/IP67
Cable entry face B	

Release date 2019-06-12 07:00 Date of issue 2019-06-12 t190276_eng.xml

PEPPERL+FUCHS

M20 quantity M20 type

Mounting bracket

External dimension (A)

M20 info

Material Enclosure

Mass

Finish

Dimensions

metric ISO pitch 1.5 mm

Aluminum LM6

246 mm

Stopping Plug 1x brass nickel-plated

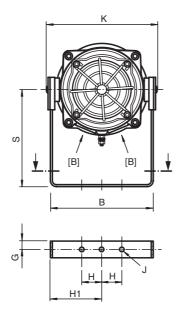
stainless steel 1.4301 / AISI 304

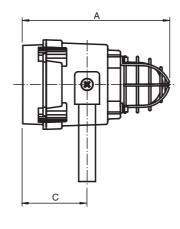
DC: 2.45 kg, AC: 2.75 kg

chromated, powder coated RAL 3000 (red)

Ambient conditions Ambient temperature -50 70 °C (-58 158 °F) Data for application in connection with hazardous areas EU-type examination certificate Marking KEMA 00 ATEX 2006 X Marking (S) II 2 GD Ex d IIC T *6b Ex t b IIIC T ** °C Db T5 @ Ta +45 °C , T4 @ Ta +70 °C T90 °C @ Ta +40 °C , T105 °C @ Ta +55 °C , T120 °C @ Ta +70 °C International approvals IECEx approval IECEx KEM 10.0002X INMETRO EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection EN 60529 General information Scope of delivery device , 1 Stopping Plug , Instruction leaflet		
Mounting holes distance (G) Mounting holes distance (H) Mounting holes distance (H) Mounting holes distance (H) Mounting holes distance (H) Depth mounting frame (S) Maximum external dimension (K) Grounding Ambient conditions Ambient temperature Data for application in connection with hazardous areas EU-type examination certificate Marking Marking KEMA 00 ATEX 2006 X Eu II C T Gb Ex t IIC T Gb Ex t I	External dimension (B)	153.6 mm
Mounting holes distance (H) Mounting holes distance (H1) Mounting holes distance (H1) Depth mounting frame (S) Maximum external dimension (K) Grounding Ambient conditions Ambient temperature Data for application in connection with hazardous areas EU-type examination certificate Marking KEMA 00 ATEX 2006 X Ex to III 2 GD Ex to III CT** CD T5 @ Ta +45 °C, T4 @ Ta +70 °C T90 °C @ Ta +45 °C, T105 °C @ Ta +55 °C, T120 °C @ Ta +70 °C International approvals IECEx approval IECEx Approval IMMETRO Conformity Degree of protection General information Scope of delivery Supplementary information To mm 76.8 mm 76	External dimension (C)	100 mm
Mounting holes distance (H1) Mounting holes diameter (J) Depth mounting frame (S) Maximum external dimension (K) Grounding Ambient conditions Ambient conditions Ambient temperature Data for application in connection with hazardous areas EU-type examination certificate Marking KEMA 00 ATEX 2006 X Ex d IIC T* Gb Ex t b IIIC T** °C Db T5 @ Ta +45 °C, T4 @ Ta +70 °C T90 °C @ Ta +40 °C, T105 °C @ Ta +55 °C, T120 °C @ Ta +70 °C International approvals IECEx approval INMETRO EAC approval Conformity Degree of protection General information Scope of delivery Supplementary information To Maximum external dimension (K) 145 mm 145	Mounting holes distance (G)	12.5 mm
Mounting holes diameter (J) Depth mounting frame (S) Maximum external dimension (K) Grounding Ambient conditions Ambient temperature Data for application in connection with hazardous areas EU-type examination certificate Marking KEMA 00 ATEX 2006 X Sul I2 GD Ex td IIC T* Gb Ex td IIC T* Gb Ex td IIC T* Gb Ex td IIC T* Gc T30 °C @ Ta +40 °C, T105 °C @ Ta +55 °C, T120 °C @ Ta +70 °C T90 °C @ Ta +40 °C, T105 °C @ Ta +55 °C, T120 °C @ Ta +70 °C International approvals IECEx approval IECEx KEM 10.0002X INMETRO EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection General information Scope of delivery Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, And instructions have to be observed where applicable. For information see www.pepperl-	Mounting holes distance (H)	30 mm
Depth mounting frame (S) Maximum external dimension (K) Grounding external grounding bolt M5 Ambient conditions Ambient temperature Data for application in connection with hazardous areas EU-type examination certificate Marking KEMA 00 ATEX 2006 X (S) 12 GD Ex d IIC T* Gb Ex t IIIC T** °C Db T5 @ Ta +45 °C, T4 @ Ta +70 °C T90 °C @ Ta +40 °C, T105 °C @ Ta +55 °C, T120 °C @ Ta +70 °C International approvals IECEx approval IECEx approval IMMETRO EAC approval BU C-GB.AA71.B.00109 Conformity Degree of protection General information Scope of delivery Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Mounting holes distance (H1)	76.8 mm
Maximum external dimension (K) Grounding Ambient conditions Ambient temperature Data for application in connection with hazardous areas EU-type examination certificate Marking KEMA 00 ATEX 2006 X Wall 2 GD Ex d IIC T* GD Ex d IIC T* GD Ex to IIIC T** °C Db T5 @ Ta +45 °C , T4 @ Ta +70 °C T90 °C @ Ta +40 °C , T105 °C @ Ta +55 °C , T120 °C @ Ta +70 °C International approval IECEx Approval IMMETRO EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection General information Scope of delivery Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of econformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Mounting holes diameter (J)	7 mm
Grounding external grounding bolt M5 Ambient conditions -50 70 °C (-58 158 °F) Data for application in connection with hazardous areas KEMA 00 ATEX 2006 X EU-type examination certificate KEMA 00 ATEX 2006 X Marking (a) II 2 GD Ex th IIIC T** °C Db Ex th IIIC T** °C Db Ex th IIIC T** °C D T5 @ Ta +45 °C , T4 @ Ta +70 °C T90 °C @ Ta +40 °C , T105 °C @ Ta +55 °C , T120 °C @ Ta +70 °C International approvals IECEx KEM 10.0002X INMETRO 10-IEx-0010 EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection General information Except of delivery Scope of delivery device , 1 Stopping Plug , Instruction leaflet Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Depth mounting frame (S)	145 mm
Ambient conditions Ambient temperature -50 70 °C (-58 158 °F) Data for application in connection with hazardous areas EU-type examination certificate KEMA 00 ATEX 2006 X Marking KEMA 00 ATEX 2006 X (a) II 2 GD Ex d IIC T° Gb Ex tb IIIC T** °C Db T5 @ Ta +45 °C , T4 @ Ta +70 °C T90 °C @ Ta +40 °C , T105 °C @ Ta +55 °C , T120 °C @ Ta +70 °C International approvals IECEX approval IECEX KEM 10.0002X INMETRO 10-IEX-0010 EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection General information Scope of delivery device , 1 Stopping Plug , Instruction leaflet Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Maximum external dimension (K)	165 mm
Ambient temperature Data for application in connection with hazardous areas EU-type examination certificate Marking KEMA 00 ATEX 2006 X Will 2 GD Ext d IIC T* Gb Ext b IIIC T** °C Db T5 @ Ta +45 °C , T4 @ Ta +70 °C T90 °C @ Ta +40 °C , T105 °C @ Ta +55 °C , T120 °C @ Ta +70 °C International approvals IECEX approval IECEX KEM 10.0002X INMETRO EAC approval Conformity Degree of protection General information Scope of delivery Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Grounding	external grounding bolt M5
Data for application in connection with hazardous areas EU-type examination certificate KEMA 00 ATEX 2006 X Marking (a) II 2 GD Ex d IIC T** Gb Ex tb IIIC T** °C Db T5 @ Ta +45 °C , T4 @ Ta +70 °C T90 °C @ Ta +70 °C T90 °C @ Ta +40 °C , T105 °C @ Ta +55 °C , T120 °C @ Ta +70 °C IECEx approval IECEx KEM 10.0002X INMETRO 10-IEx-0010 EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection General information EN 60529 General information Scope of delivery device , 1 Stopping Plug , Instruction leaflet Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Ambient conditions	
hazardous areas EU-type examination certificate KEMA 00 ATEX 2006 X Marking (a) II 2 GD Ex d IIC T* Gb Ex th IIIC T** °C Db T5 @ Ta +45 °C , T4 @ Ta +70 °C T90 °C @ Ta +40 °C , T105 °C @ Ta +55 °C , T120 °C @ Ta +70 °C International approvals IECEx approval IECEx KEM 10.0002X INMETRO 10-IEx-0010 EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection EN 60529 General information EN 60529 General information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Ambient temperature	-50 70 °C (-58 158 °F)
EU-type examination certificate Marking Wall 2 GD Ex d IIC T* Gb Ex tb IIIC T** °C Db T5 @ Ta +45 °C , T4 @ Ta +70 °C T90 °C @ Ta +40 °C , T105 °C @ Ta +55 °C , T120 °C @ Ta +70 °C International approvals IECEx approval IECEx KEM 10.0002X INMETRO EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection General information Scope of delivery Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Data for application in connection with	
Marking Ex d IIC T* Gb Ex tb IIIC T** °C Db T5 @ Ta +45 °C , T4 @ Ta +70 °C T90 °C @ Ta +40 °C , T105 °C @ Ta +55 °C , T120 °C @ Ta +70 °C International approvals IECEx approval IECEx KEM 10.0002X INMETRO 10-IEx-0010 EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection EN 60529 General information Scope of delivery Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	hazardous areas	
Ex d IIC T* Gb Ex tb IIIC T** °C Db T5 @ Ta +45 °C , T4 @ Ta +70 °C T90 °C @ Ta +40 °C , T105 °C @ Ta +55 °C , T120 °C @ Ta +70 °C International approvals IECEx approval IECEx KEM 10.0002X INMETRO 10-IEx-0010 EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection EN 60529 General information Scope of delivery Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	EU-type examination certificate	KEMA 00 ATEX 2006 X
IECEx KEM 10.0002X INMETRO 10-IEx-0010 EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection EN 60529 General information Scope of delivery device , 1 Stopping Plug , Instruction leaflet Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Marking	Ex d IIC T* Gb Ex tb IIIC T** °C Db T5 @ Ta +45 °C , T4 @ Ta +70 °C
INMETRO 10-IEx-0010 EAC approval RU C-GB.AA71.B.00109 Conformity Degree of protection EN 60529 General information Scope of delivery device , 1 Stopping Plug , Instruction leaflet Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	International approvals	
EAC approval Conformity Degree of protection General information Scope of delivery Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	IECEx approval	IECEx KEM 10.0002X
Conformity Degree of protection EN 60529 General information Scope of delivery Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	INMETRO	10-IEx-0010
Degree of protection General information Scope of delivery Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	EAC approval	RU C-GB.AA71.B.00109
General information Scope of delivery device , 1 Stopping Plug , Instruction leaflet Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Conformity	
Scope of delivery device , 1 Stopping Plug , Instruction leaflet Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Degree of protection	EN 60529
Supplementary information EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-	General information	
Conformity and instructions have to be observed where applicable. For information see www.pepperl-	Scope of delivery	device , 1 Stopping Plug , Instruction leaflet
	Supplementary information	Conformity and instructions have to be observed where applicable. For information see www.pepperl-

Dimensions





Legend

А	Height
В	Width
С	Depth
G	Mounting holes distance
Н	Mounting holes distance
H1	Mounting holes distance from edge of bracket

J	Mounting holes diameter
K	Maximum outer dimension with bracket
K1	Maximum outer dimension with horn
S	Depth of mounting bracket
[A] [B]	Cable entry faces

Dimension values see technical data table.

Image and drawing are generic for this device type and may deviate from the specific variant.