

LBK-S01-PZ

Z9000023

Safe radar system for monitoring the hazardous areas of a machine.



Technical details

General data

Approval:	RED, CE, UKCA, IMQ
ESPE type:	2
:	1
Sensor principle:	FMCW radar
Carrier frequency:	24 - 24.25 GHz
Operating range warning zone:	4 m
Operating range safety zone:	4 m
Number of zone configurations:	1

Technical data

Electrical data

Purpose of UINT1:	Sensor supply
Source of internal voltage:	Via control unit
Voltage type of UINT1:	DC
Tolerance of UINT. Module:	-20 %/+20 %

Optical data

Horizontal opening angle:	110°/50°
Vertical opening angle:	30°/15°

Environmental data

Ambient temperature:	-40 - 60 °C
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Humidity rating:	Max. 95 %
Condensation permitted?:	Permitted
Times	
Reaction time:	100 ms
Mechanical data	
Height dimension:	85 mm
Height with bracket:	125 mm
Width dimension:	85 mm
Dimension w with bracket:	165 mm
Depth dimension:	53 mm
Net weight:	220 g
Gross weight:	310 g
Environment	
RoHS directive:	2011/65/EU, 2015/863/EU
RoHS conformity:	yes
RoHS exceptions:	yes
RoHS except.s acc. to direct.:	6c
REACH compliance:	contains min. 1 SVHC-substance
REACH included substances:	Lead
%-part of the pollutant:	> 0,1
CAS No.:	7439-92-1
WEEE classification (08/2018):	5 devices (feed size < 50cm)
SCIP entry available:	yes
Commercial data	
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27272791
ETIM Version:	ETIM-7.0

Obligatory accessories



Z9000024

LBK Bus Terminator



Z9000022

LBK-C22-PZ