Dimensions

Technical data

General specifications

Light source	IRED
Marking	CE
Operating mode	switching between background suppression/evaluation
Diameter of the light spot	75 x 75 mm by sensing range 2000 mm

Functional safety related parameters

$MTTF_d$	880 a
Mission Time (T_M)	20 a
Diagnostic Coverage (DC)	60 %

Indicators/operating means

Function indicator	LED red
Control elements	Detection range adjuster, light/dark switch, changeover switch for mode of operation

Electrical specifications

Operating voltage	U_B	17 ... 30 V DC , 18 ... 28 V AC
No-load supply current	I_0	< 100 mA

Output

Switching type	Light/Dark switch
Signal output	Relay, 1 alternator
Switching voltage	max. 24 V DC , 48 V AC
Switching current	≤ 1 A
Switching power	24 W / 55 VA

Ambient conditions

Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)

Mechanical specifications

Connection	screw terminals

Suitable series

Series	TopScan

Compliance with standards and directives

Directive conformity	
EMC Directive 2004/108/EC	EN 61000-6-2:2005 EN 61000-6-3:2007
Standard conformity	
Standards	EN 62471:2008

Approvals and certificates

CCC approval	CCC approval / marking not required for products rated ≤36 V
UN/ECE Regulation No. 10 (E1)	Type-approval number: 047349

$C \epsilon$

Model Number

AIR16

Sensor module

Features

- Sensor module for configurable Top-scan switch

Accessories

LAGERBOCK AIR16
Pedestal for the sensor module AIR16

TopScan-S Cap Set
End cover for TopScan-S aluminum profile section

Topscan Cable Loop Basic
Metal cable protector

TopScan-S Cable 240 mm
Ribbon cable for connecting sensor modules

TopScan2 Cable 300 mm
Ribbon cable for connecting sensor modules
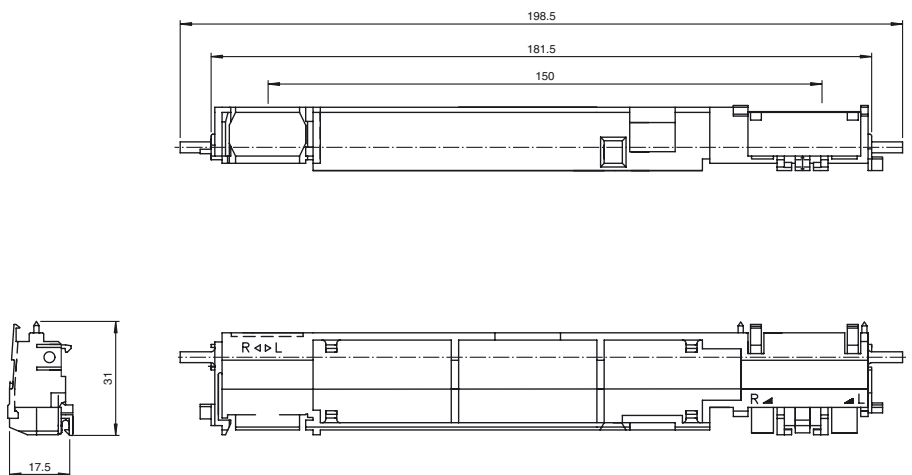
TopScan-S Cover L1400
Housing cover TopScan-S

TopScan-S Gasket IP54
Housing seal TopScan-S

TopScan-S Profile L1400
Housing profile TopScan-S

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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SENSING YOUR NEEDS

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