



Model Number

AIR16 Module

Sensor module

Features

- Sensor module for configurable Topscan switch

Accessories

LAGERBOCK AIR16

Pedestal for the sensor module AIR16

TopScan-S Cap Set

End cover for TopScan-S aluminum profile section

TopScan-S 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

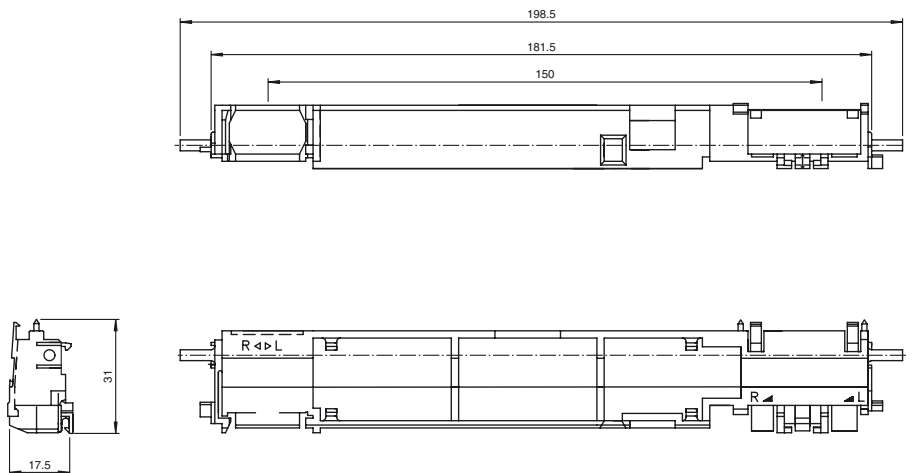
TopScan-S Gasket IP54

Housing seal TopScan-S

TopScan-S Profile L1400

Housing profile TopScan-S

Dimensions



Technical data

General specifications

Detection range min.	0 ... 1500 mm by background evaluation, 500 ... 1500 mm by background suppression
Detection range max.	0 ... 2500 mm with background evaluation, 500 ... 2500 mm with background suppression
Light source	IREd
Black/White difference (6 %/90 %)	< 20 % at 2000 mm sensor range
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	Sensing range adjuster, light-on/dark-on changeover switch, changeover switch for mode of operation Background suppression / Background evaluation ; Adjuster for edge monitoring left/right

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-on/dark-on changeover 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
Response time	30 ms , 2 s after test

Ambient conditions

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

Connection	screw terminals
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Suitable series

Series	TopScan
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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