DS4 Standard

957650114

DS4-25-1800-S08-JZ

DETECTION AND MEASUREMENT AREA SENSOR

OVERVIEW

Versatile area sensors for detecting and measuring in various industrial applications. Conveniently configured using IO-Link and wirelessly programmable through AppGUI for detailed parameter adjustments and advanced setups.

TECHNICAL FEATURES

Detection properties	
Nominal sensing distance	0.2…13 m
Beams space	25 mm
controlled height	1800 mm
number of rays	72
Sensitivity adjustment	remote teach, IO-Link, AppGUI
Detection capability	25 mm

Features and performances	
Detection capability	0

Application	
Description	DS4-25-1800-S08-JZ 25mm H=1800mm IOL

Outputs

Output type	PNP or NPN or Push-Pull , 0…10 V, 4..20 mA, IO-Link, RS485
Output Function	Light array for detection and measurement

Electrical data

Operating Voltage	19.2...28.8 Vdc
No-Load supply current	360 mA (emitter and receiver)
Leakage current	100 mA
Output voltage drop	2.5 V @ IL=100 mA
Time delay before availability	3.16 s
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Emission	Infrared (850 nm) Emitter + Receiver
Impulsive Overvoltage Protection	Yes
Protection against inductive loads	Yes

Mechanical data

Material	Aluminium / PBT
Housing material	Aluminium
Optic window material	PMMA
Weight	1.4 Kg/m (single bar, without package)

Connections	M12 5 poles + 200 mm length cable TPU (TX), M12 8 poles + 200 mm length cable TPU (RX)
Active Head Material	PMMA
Storage temperature	-30…+70 °C
Humidity	15…95 % (without freeze)

Test/Approvals

Shocks and vibrations	10 mm / 3g, 5 … 150 Hz frequency, (EN 60068-2-6 / Class 3M7 IEC TR 60721-4-3); 25g x 6 ms x 600 (EN 60068-2-27 / Class 3M7 IEC TR 60721-4-3)

Accessories

Supplied Accessories	Fixing brakets

Generical Data

Dimensions	35 x 40 x 1809 mm
Operating Temperature	-30…+50°C (without freeze)
Mechanical Protection	IP65 IP67

HMI/UI

LED indicators	TX: Green (Power ON), Yellow (Emission range) Red (Test, failure, Firmware ongoing update), Blue (Emission range, Firmware update completed) RX: Green (Power ON), Yellow (Status output, Connection and teach-in active) Red (Hardware Errors, Invalid con

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