1082689

Industrial automation components

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Manufacturer	Sick
Catalog number	1082689
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Safety Light Curtain Receiver
Number of Beams	3 beams
Beam Separation	400 mm
Supply Voltage	24 VDC
Ingress Protection Rating	IP65
Response Time	20 ms
Connector Type	M12, 5-pin
Permitted Cable Length	50 m
Safety Certifications	Type 4 (IEC 61496-1), SIL3 (IEC 61508), SILCL3 (IEC 62061), Category 4 (ISO 13849-1), Performance Level e (ISO 13849-1)
Operating Temperature Range	-30 to 55 °C

Description

The SICK 1082689, also known as M4C-EA03400A10, is a multiple beam safety light curtain receiver designed for industrial environments. It features three beams with a 400 mm separation, providing a protective field suitable for various applications. The device operates with a 24 VDC supply voltage and has an ingress protection rating of IP65, ensuring dust-tight and water-resistant performance. With a response time of 20 ms and optical synchronization, it offers reliable and swift detection capabilities. The receiver utilizes a male M12, 5-pin connector for system integration and supports cable lengths up to 50 meters. Safety certifications include Type 4 (IEC 61496-1), SIL3 (IEC 61508), SILCL3 (IEC 62061), Category 4 (ISO 13849-1), and Performance Level e (ISO 13849-1), ensuring high

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safety standards. The operating temperature range spans from -30°C to 55°C, accommodating diverse industrial conditions. This receiver is part of SICK's deTem4 Core series, known for its robust and efficient safety solutions.

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