AUTOMATION TRADER

C40E-0701CB010C40S-0701CA010

Industrial automation components

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Manufacturer	Sick
Catalog number	c40e-0701cb010c40s-0701ca010
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	SICK
Part Number	C40E-0701CB010+C40S-0701CA010
Product Type	Safety Light Curtain
Resolution	14 mm
Scanning Range	10 m
Protective Field Height	750 mm
Response Time	16 ms
Supply Voltage	24 V DC
Connector Type	Hirschmann male connector M26, 12-pin
Safety Standard	Type 4 (IEC 61496-1), SIL 3 (IEC 61508), Category 4 (EN ISO 13849), Performance Level e (EN ISO 13849)

Description

The SICK C40E-0701CB010 and C40S-0701CA010 are components of the C4000 Advanced series safety light curtains, designed to provide reliable personnel protection in industrial environments. These models feature a resolution of 14 mm, a scanning range of up to 10 meters, and a protective field height of 750 mm, ensuring comprehensive coverage. The response time is 16 ms, facilitating swift detection and response to potential hazards. Optical synchronization allows for seamless integration with other safety devices. The system operates with a supply voltage of 24 V DC and utilizes a Hirschmann male connector M26, 12-pin for system connection. Compliance with Type 4 (IEC 61496-1) and SIL 3 (IEC 61508) safety standards, along with Category 4 (EN ISO 13849) and Performance Level e (EN ISO 13849),

underscores the system's high safety integrity. The mean probability of a dangerous failure per hour (PFHD) is 15 * 10^{-9}, and the mission time (TM) is 20 years, indicating long-term reliability. In the event of a fault, at least one OSSD is in the OFF state, ensuring a safe state. These features make the C40E-0701CB010 and C40S-0701CA010 suitable for applications requiring stringent safety measures, such as machine guarding and access protection.