C40S-1501CA010-C40E-1501CA010

Industrial automation components

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Manufacturer	Sick
Catalog number	c40s-1501ca010-c40e-1501ca010
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Product Type	Safety Light Curtain Sender and Receiver
Resolution	14 mm
Scanning Range	10 m
Protective Field Height	1,500 mm
Safety Type	Type 4 (IEC 61496-1), SIL 3 (IEC 61508), Category 4 (EN ISO 13849), Performance Level e (PL e)
Synchronization	Optical Synchronization
Application Area	Normal Industrial Environment
Sender Unit Weight	7.63 lbs
Receiver Unit Weight	7.39 lbs

Description

The Sick C40S-1501CA010 and C40E-1501CA010 are components of the C4000 Standard series of safety light curtains, designed to provide reliable personnel protection in industrial environments. The C40S-1501CA010 serves as the sender unit, while the C40E-1501CA010 functions as the receiver unit, working together to create a protective light field. Key features include a resolution of 14 mm, a scanning range of up to 10 meters, and a protective field height of 1,500 mm. These light curtains are suitable for applications requiring Type 4 safety according to IEC 61496-1, SIL 3 per IEC 61508, Category 4 as per EN ISO 13849, and Performance Level e (PL e) according to EN ISO 13849. They are equipped with optical synchronization and are intended for use in normal industrial environments. The C40S-1501CA010 sender unit has a weight of approximately 7.63 lbs (3.46 kg), and the C40E-1501CA010 receiver unit weighs around 7.39 lbs (3.35 kg).

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