



Safety light curtains C4000 Palletizer Advanced without extension connection

C40E-1803FK010, C40S-1803CD010



receiver

Model Name > C40E-1803FK010
Part No. > 1043162



sender

Model Name > C40S-1803CD010
Part No. > 1041908



At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- Self-teaching, dynamic blanking detects goods and pallets
- Direction recognition
- Multiple sampling
- Reduced resolution
- Muting alternative
- Beam coding
- Object gap suppression

Your benefits

- Cost-effective: No additional muting sensors or protective measures are required.
- A compact sensor pair reduces the mounting requirements considerably - additional muting sensors are not required
- With the dynamic and self-teaching blanking function, the system can reliably differentiate between people and material - this provides maximum safety
- The assorted feasibility of pallets allows the passage of mesh boxes, Euro pallets and half pallets, increasing plant availability
- Saves storage space: pallets can be parked permanently in the protective field
- One system monitors several conveyor belts, reducing sensor costs
- Quick commissioning: Euro pallets, mesh boxes etc. are detected without any programming



Functions-Sender

Beam coding:	✓
Beam coding (delivery status):	Code 1
Configuration method:	PC with CDS (Configuration and Diagnostic Software)
Safe SICK device communication via EFI/SDL:	✓

Functions-Receiver

Restart interlock:	✓
Restart interlock (delivery status):	External
External device monitoring (EDM):	✓
External device monitoring (delivery status):	Deactivated
Beam coding:	✓
Beam coding (delivery status):	Code 1
Multiple sampling:	✓
Multiple sampling (delivery status):	2 x sampling
Direction monitoring:	✓
Reduced resolution:	✓
Reduced resolution (delivery status):	3 beams
Bypass (with UE402):	✓
Emergency stop/bypass at extension connection:	-
Operating mode switching (with UE402):	✓
Type of blanking:	self-teach dynamic blanking
Type of blanking (delivery status):	palett detection: 0 mm ... 240 mm/2 ... 5 objects, depending on length
Speed monitoring:	✓
Goods detection:	✓
Object size monitoring:	✓
Teach-in of individual objects:	✓
Object gap suppression:	✓
Palett detection:	✓
Object entry monitoring:	✓
SDL interface:	✓
Configuration method:	PC with CDS (Configuration and Diagnostic Software)
Extension connection:	-
Safe SICK device communication via EFI/SDL:	✓

Technical Data-Sender

Protective field height:	1,800 mm
Resolution:	30 mm
Scanning range from ... to:	0.5 m ... 6 m
Scanning range from ... to (delivery status):	0.5 m ... 6 m
Housing length:	1,933 mm
Type:	Type 4 (IEC 61496)
Safety integrity level:	SIL3 (IEC 61508), SILCL3 (IEC 62061)
Category:	category 4 (EN ISO 13849)
Performance level:	PL e (EN ISO 13849)
PFHd (mean probability of a dangerous failure per hour):	1.5 * 1E-08 (EN ISO 13849)
TM (mission time):	20 a (EN ISO 13849)
Supply voltage typical, from, to:	24 V DC, 19.2 V DC, 28.8 V DC
Power consumption:	≤ 1 A
Connection type:	Hirschmann plug M26 x 11 + FE, straight
Connection type configuration connection:	M8 x 4
Maximum connection cable cross-section:	0.75 mm²
Wave length:	950 nm
Protection class:	III (EN 50178)
Enclosure rating:	IP 65 (EN 60529)
Ambient operating temperature:	0 °C ... 55 °C
Vibration resistance (checked to):	5 g (IEC 60068-2-6)

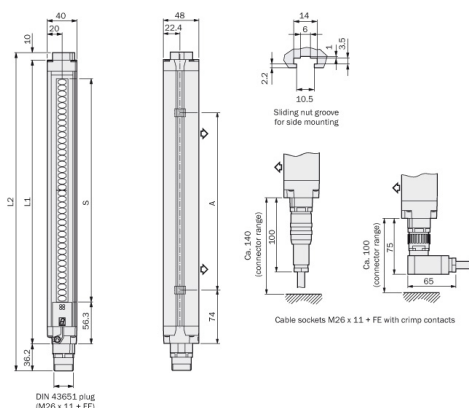
Oscillation frequency from ... to:	10 Hz ... 55 Hz
Shock resistance:	10 g, 16 ms (IEC 60068-2-29)
Weight:	3,680 g

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Performance level:	PL e (EN ISO 13849)
PFHd (mean probability of a dangerous failure per hour):	1.5 * 1E-08 (EN ISO 13849)
TM (mission time):	20 a (EN ISO 13849)
Supply voltage typical, from, to:	24 V DC, 19.2 V DC, 28.8 V DC
Response time:	14 ms ¹⁾
Power consumption:	≤ 1.8 A
Maximum switching current:	500 mA
Wave length:	950 nm
Connection type:	Hirschmann plug M26 x 11 + FE, straight
Connection type configuration connection:	M8 x 4
Maximum connection cable cross-section:	0.75 mm ²
Protection class:	III (EN 50178)
Enclosure rating:	IP 65 (EN 60529)
Ambient operating temperature:	0 °C ... 55 °C
Vibration resistance (checked to):	5 g (IEC 60068-2-6)
Oscillation frequency from ... to:	10 Hz ... 55 Hz
Shock resistance:	10 g, 16 ms (IEC 60068-2-29)
Weight:	3,710 g

¹⁾ Without beam coding, with 1 x sampling, no cascaded systems. Other response times see operating instructions.

Dimensional drawing



Australia

Phone +61 3 9457 0600
1800 33 48 02 – tollfree
E-Mail sales@sick.com.au

Belgium/Luxembourg

Phone +32 (0)2 466 55 66
E-Mail info@sick.be

Brasil

Phone +55 11 3215-4900
E-Mail marketing@sick.com.br

Canada

Phone +1 905 771 14 44
E-Mail information@sick.com

Česká republika

Phone +420 2 57 91 18 50
E-Mail sick@sick.cz

China

Phone +86 4000 121 000
E-Mail info.china@sick.net.cn
Phone +852-2153 6300
E-Mail ghk@sick.com.hk

Danmark

Phone +45 45 82 64 00
E-Mail sick@sick.dk

Deutschland

Phone +49 211 5301-301
E-Mail info@sick.de

España

Phone +34 93 480 31 00
E-Mail info@sick.es

France

Phone +33 1 64 62 35 00
E-Mail info@sick.fr

Great Britain

Phone +44 (0)1727 831121
E-Mail info@sick.co.uk

India

Phone +91-22-4033 8333
E-Mail info@sick-india.com

Israel

Phone +972-4-6881000
E-Mail info@sick-sensors.com

Italia

Phone +39 02 27 43 41
E-Mail info@sick.it

Japan

Phone +81 (0)3 5309 2112
E-Mail support@sick.jp

Magyarország

Phone +36 1 371 2680
E-Mail office@sick.hu

Nederland

Phone +31 (0)30 229 25 44
E-Mail info@sick.nl

Norge

Phone +47 67 81 50 00
E-Mail sick@sick.no

Österreich

Phone +43 (0)22 36 62 28 8-0
E-Mail office@sick.at

Polska

Phone +48 22 837 40 50
E-Mail info@sick.pl

România

Phone +40 356 171 120
E-Mail office@sick.ro

Russia

Phone +7-495-775-05-30
E-Mail info@sick.ru

Schweiz

Phone +41 41 619 29 39
E-Mail contact@sick.ch

Singapore

Phone +65 6744 3732
E-Mail sales.gsg@sick.com

Slovenija

Phone +386 (0)1-47 69 990
E-Mail office@sick.si

South Africa

Phone +27 11 472 3733
E-Mail info@sickautomation.co.za

South Korea

Phone +82 2 786 6321/4
E-Mail info@sickkorea.net

Suomi

Phone +358-9-25 15 800
E-Mail sick@sick.fi

Sverige

Phone +46 10 110 10 00
E-Mail info@sick.se

Taiwan

Phone +886 2 2375-6288
E-Mail sales@sick.com.tw

Türkiye

Phone +90 (216) 528 50 00
E-Mail info@sick.com.tr

United Arab Emirates

Phone +971 (0) 4 88 65 878
E-Mail info@sick.ae

USA/México

Phone +1(952) 941-6780
1 (800) 325-7425 – tollfree
E-Mail info@sickusa.com

More representatives and agencies
at www.sick.com