



Safety light curtains M4000 Advanced Curtain

M40E-69A523RB0, M40S-69A503AA0



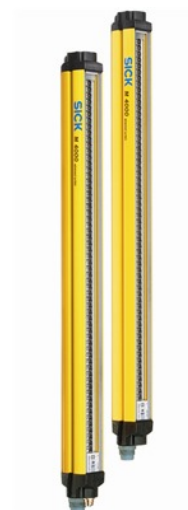
Receiver

Model Name [> M40E-69A523RB0](#)
Part No. [> 1205629](#)



Sender

Model Name [> M40S-69A503AA0](#)
Part No. [> 1203278](#)

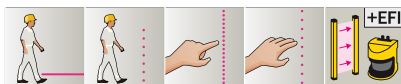


At a glance

- Type 4 (IEC 61496), PL e (EN ISO 13849)
- Robust housing with three mounting grooves
- 7-segment display
- Resolution 14/30 mm, scanning range up to 19 m
- External device monitoring (EDM), restart interlock (RES), application diagnostic output (ADO), and SDL interface
- Beam coding for correct system allocation
- Muting: on-site connection and processing in combination with the IP 65-rated UE403 switching amplifier
- Configuration and diagnostics via PC

Your benefits

- High resolution (14/30 mm) reduces the safety distances for access protection - both with and without muting
- The robust housing and high power reserve enable reliable use, even in harsh ambient conditions
- Mounting grooves on three housing sides ensure more flexibility in the installation and simplify machine integration
- User-friendly interfaces and status indicators facilitate commissioning and maintenance
- On-site connection of the muting signals on the UE403 switching amplifier minimizes the time spent laying cables and facilitates commissioning procedures and maintenance
- Reduced downtimes through all-around-visible LED and diagnostics displays as well as configuration memory in the UE403 switching amplifier



Applications

Hazardous area protection (horizontal):	✓
Access protection (vertical):	✓
Access protection with muting:	✓

Functions-Sender

System construction:	Sender/receiver system
Beam coding:	✓
Beam coding (delivery status):	Non-coded
Sender test:	✓
Sender test (delivery status):	deactivated
Integrated laser alignment aid:	-
SDL interface:	✓
Configuration method:	PC with CDS (Configuration and Diagnostic Software)
Safe device communication via EFI/SDL:	✓

Functions-Receiver

System construction:	Sender/receiver system
Restart interlock:	✓
Restart interlock (delivery status):	Activated
External device monitoring (EDM):	✓
External device monitoring (delivery status):	Activated
Beam coding:	✓
Beam coding (delivery status):	Non-coded
Muting with:	UE403
Belt stop (with UE403):	✓
Concurrence monitoring (with UE403):	✓
Monitoring total muting time (with UE403):	✓
End of muting by ESPE (with UE403):	✓
Sensor gap monitoring (with UE403):	✓
Sensor test (with UE403):	✓
Partial blanking (with UE403):	✓
Exit monitoring (with UE403):	✓
Configurable application diagnostic output:	✓
Application diagnostic output (delivery status):	Contamination (OWS)
Configurable scanning range:	✓
Integrated laser alignment aid:	-
End cap with integrated LED:	✓
Additional reset connection:	-
SDL interface:	✓
Configuration method:	PC with CDS (Configuration and Diagnostic Software)
Scanning range (delivery status):	2.5 m
Extension connection:	✓
Safe device communication via EFI/SDL:	✓
Reading mode:	✓
CDS data recorder:	✓
Event history:	✓

Technical Data-Sender

Protective field height:	1,650 mm
Resolution:	14 mm
Housing cross-section:	52 mm x 55.5 mm
Type:	Type 4 (IEC 61496)
Safety integrity level:	SIL3 (IEC 61508), SILCL3 (IEC 62061)
Category:	category 4 (EN ISO 13849)

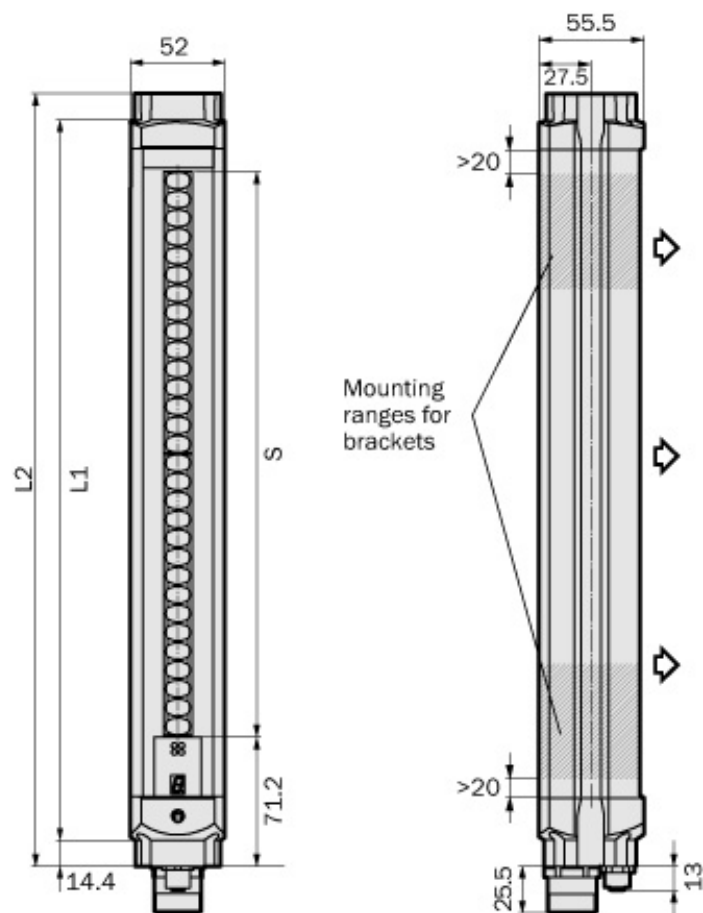
Performance level:	PL e (EN ISO 13849)
TM (mission time):	20 a
Supply voltage typical, from, to:	24 V, 19.2 V, 28.8 V
Power consumption:	≤ 0.2 A
System connection:	Hirschmann plug M26 x 11 + FE, straight (sender and receiver)
Display elements:	LED/7-segment
Protection class:	III (EN 50178:1998)
Enclosure rating:	IP 65 (EN 60529)
Ambient operating temperature from ... to:	-30 °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)

Technical Data-Receiver

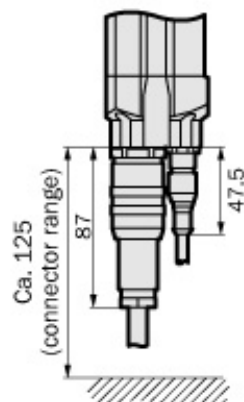
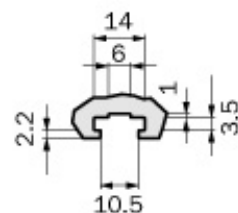
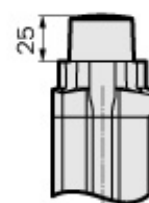
Protective field height:	1,650 mm
Resolution:	14 mm
Scanning range from ... to:	0 m ... 8 m
Scanning range from ... to (delivery status):	0 m ... 2.5 m
Housing cross-section:	52 mm x 55.5 mm
Type:	Type 4 (IEC 61496)
Safety integrity level:	SIL3 (IEC 61508), SILCL3 (IEC 62061)
Category:	category 4 (EN ISO 13849)
Performance level:	PL e (EN ISO 13849)
TM (mission time):	20 a
Supply voltage typical, from, to:	24 V, 19.2 V, 28.8 V
Type of output:	Safety outputs (OSSD)
Power consumption:	≤ 0.6 A ¹⁾
Switching voltage typ, from, to:	UV - 2,25 V, 24 V DC, UV
Maximum switching current:	500 mA
Display elements:	LED/7-segment
System connection:	Hirschmann plug M26 x 11 + FE, straight (sender and receiver)
Connection type configuration connection:	M8 x 4
Protection class:	III (EN 50178:1998)
Enclosure rating:	IP 65 (EN 60529)
Ambient operating temperature from ... to:	-30 °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)

¹⁾ Without load

Dimensional drawing



Mounting
ranges for
brackets



Cable socket M26 with crimp contacts (for DIN 43 651, left) and cable plug M12 with cable (right, only on receiver)

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