

Dx35 Mid Range Distance Sensors

Larger than life performance – flexible measurement and detection up to 35 m



Dx35 - reliable measurement with no compromises

The versatile Dx35 product family stands out thanks to its compact design and reliable performance. Proprietary HDDM technology ensures stable and accurate measurements at any time. In addition, a remarkably small housing size and a reduced blind zone, makes the Dx35 the number one choice for use in confined spaces with a range of up to 35 m.



Lightning fast response time

The Dx35's response time can be adjusted to keep track of even the fastest production processes.



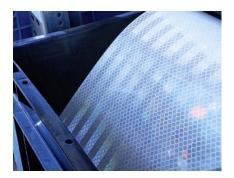
Ultimate in glare-resistance

Other optical sensors on the market can provide unstable measurements due to ambient light. The Dx35's statistical time-of-flight technology always produces stable measurements.



Ignores background reflections

Get rock solid target detection and measurement with SICK's time-oftechnology, which ignores even the most shiny background materials.



Wide range of models

Compact

No cross talk

The Dx35's coded transmission pulses allow several sensors to be used simultaneously in confined spaces.

0 IO-

Precise no matter the color

Smallest blind zone

HDDM technology guarantees precise time-of-flight measurement across the entire color spectrum.

5 cm

5 cm





Solves most difficult applications

The Dx35 detects and measures both extremely dark and shiny objects, as well as objects tilted at extreme angles – an impossible task with other sensors in the market.

Reliable measurements of extremely dark objects



8015456/2013-04-08 Subject to change without notice

Multiple set-up options ...

Direct teach-in function on the sensor

Cut down on your commissioning costs with the quick and easy teach-in function on the control panel.

External teach wire

External teach-in allows simple and fast remote set-up if no access is available during the running process.

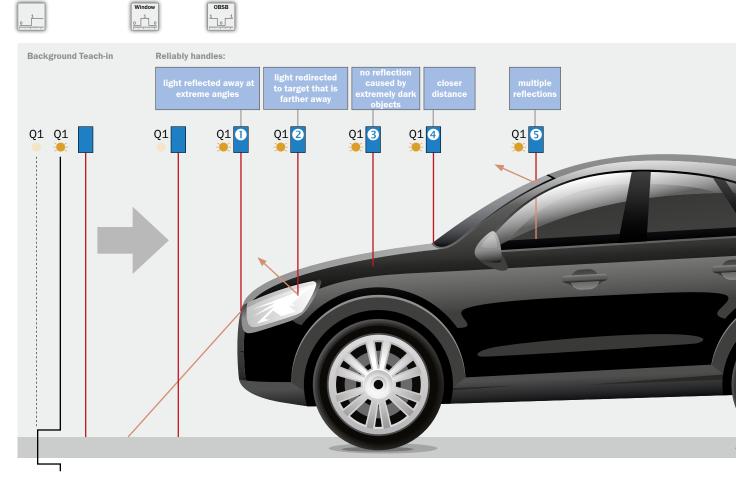
Communication via IO-Link

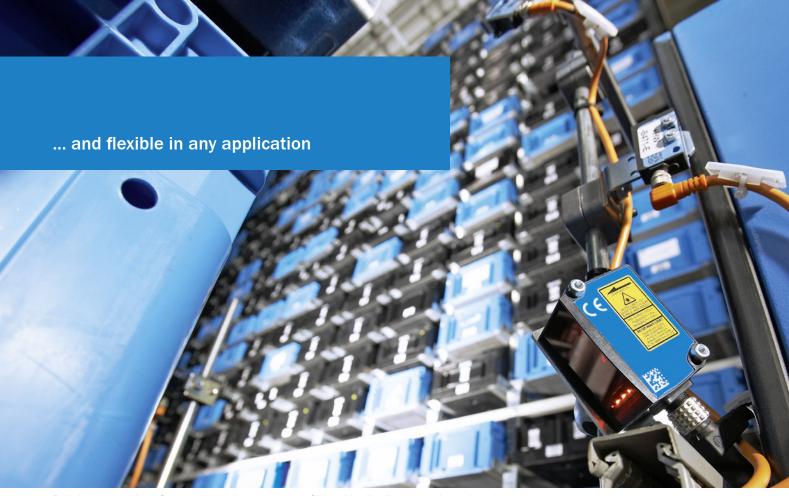
With IO-Link a switching output turns into a communication interface. This enables quick batch change-over and simple commissioning, maintenance and diagnostics.



Simple solution for complex applications

The Dx35 provides three different switching modes to meet the requirements of any application including complex ones. These are: "Distance to Object" "Window" and "Object Between Sensor and Background" (OBSB, see **illustration**).





Reliable monitoring of storage space occupancy or fill level in distribution and warehousing systems

Inspection

Ensures high quality vehicle manufacturing and error-proofing by reliably detecting small parts from a safe distance.

Positioning

Precise and automatic positioning of shuttles, forklifts and the load which can be of any color and structure.

Stacking

Optimized and faster production processes due to reliable monitoring of filling and stacking levels.



The sub-product families also come with

different interfaces. In addition to the

IO-Link function, which all the devices

sors with analog and switching output (DT and DL) or the option of two switch-

Its final distinguishing feature when

selecting the right sensor for the application is the light sender: infrared or red

· Devices with analog and switching

output, or just switching

or class 2

IO-I ink

Small housing size

Infrared or red laser in class 1

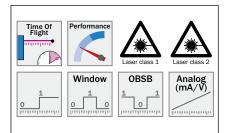
• Repeatability: 0.5 mm to 5 mm

ing outputs (DS and DR).

light in laser class 1 or 2.

have, the product family also offers sen-

Larger than life performance – flexible measurement and detection up to 35 m







Additional information

Detailed technical data7
Ordering information
Dimensional drawing 10
Connection type and diagram 10
Repeatability 11
Accessories 13



Product description

The Dx35 family of distance sensors, based on HDDM[™] technology, combine maximum reliability, measuring capabilities, flexibility and the perfect priceperformance ratio in a very compact housing.

Depending on the application, subproduct families are available for distance measurement on natural objects (DT35 and DS35) or on reflective tape (DL35 and DR35).

At a glance

- Maximum reliability, immunity to ambient light, and best price/performance ratio thanks to HDDM™ technology
- Measuring range of 0.05 m to 12 m for natural objects or 0.2 m to 35 m on reflective tape

Your benefits

- Precise and reliable measurement regardless of object color extends run time and process quality
- A small size and blind zone make flexible mounting possible when space is limited
- Optimum solution thanks to flexible settings for speed, range and repeatability
- Flexible interface use: 4 mA to 20 mA, 0 V to 10 V, PNP output, NPN output, or IO-Link – making machine integration simple

www.mysick.com/en/Dx35

 Offering easy alignment, optimal performance or inconspicuous measurement, versatile light senders make it an ideal solution for all scenarios

- Low investment costs and high performance levels guarantee a quick return on investment
- IO-Link offers full process control, from commissioning to service
- A wide variety of control options ensures rapid commissioning and fast batch changes

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more



Detailed technical data

Performance

	DT35	DS35	DL35	DR35
Resolution	0.1 mm		·	
Repeatability ^{1) 2)}	0,5 mm 5 mm ³⁾		0,5 mm 5 mm 4)	
Accuracy	Typ. ± 10 mm ³⁾		Typ. \pm 15 mm $^{4)}$	
Switching frequency ^{5) 6)}				
Red laser, class 2	333 Hz / 100 Hz / 50 H	Hz / 25 Hz / 6 Hz	-	
Red laser, class 1	166 Hz / 50 Hz / 25 Hz	z / 12 Hz / 3 Hz	333 Hz / 100 Hz / 50 H	Iz / 25 Hz / 6 Hz
Infrared laser, class 1	333 Hz / 100 Hz / 50 H	Hz / 25 Hz / 6 Hz		
Output rate ^{5) 7)}				
Red laser, class 2	1 ms / 2 ms / 4 ms / 8	ms / 32 ms	-	
Red laser, class 1	2 ms / 4 ms / 8 ms / 1	.6 ms / 64 ms	1 ms / 2 ms / 4 ms / 8	ms / 32 ms
Infrared laser, class 1	1 ms / 2 ms / 4 ms / 8	s ms / 32 ms		
Light source				
Red laser, class 2	Laser, red ⁸⁾		-	
Red laser, class 1	Laser, red ⁹⁾		Laser, red ¹⁰⁾	
Infrared laser, class 1	Laser, infrared $^{\mbox{\scriptsize 11})}$			
Laser class				
Red laser, class 2	2 (EN 60825-1)		-	
Red laser, class 1	1 (EN 60825-1)			
Infrared laser, class 1	1 (EN 60825-1)			
Typ. light spot size (distance)	15 mm x 15 mm (at 2 m	n)		
Additional function	Reset to factory default	utput put aser off / external teach		
	Switching mode: Distar switching window (Wnd sensor and background) / object between	Switching mode: Distan (DtR) / switching windo between sensor and ba	w (Wnd) / object
	Teach-in of analog output Invertible analog output Output Q_2 selectable: 4 mA 20 mA / 0 V 10 V / switching output		Teach-in of analog output Invertible analog output Output Q_2 , selectable: 4 mA 20 mA / 0 V 10 V / switching output	
Laser service life (MTTF at 25 °C)	100,000 h			

 $^{\scriptscriptstyle 1)}$ Equivalent to 1 $\sigma.$

 $^{\scriptscriptstyle 2)}$ See characteristic curves repeatability.

- 3) 6 % ... 90 % remission.
- ⁴⁾ On reflective tape "Diamond Grade".

⁵⁾ Dependent on the set speed: Super Fast ... Super Slow.

⁶⁾ Lateral entry of object into measuring range.

 $^{\mbox{\tiny 7)}}$ Continuous change of distance in measuring range.

⁸⁾ Wavelength: 658 nm; max. output: 250 mW; pulse duration: 3 ns; pulse repetition rate: 1/250.

⁹⁾ Wavelength: 658 nm; max. output: 250 mW; pulse duration: 3 ns; pulse repetition rate: 1/500.

¹⁰⁾ Wavelength: 658 nm; max. output: 120 mW; pulse duration: 3 ns; pulse repetition rate: 1/250.

¹¹⁾ Wavelength: 827 nm; max. output: 130 mW; pulse duration: 3.5 ns; pulse repetition rate: 1/250.

Interfaces

	DT35	DS35	DL35	DR35
Resolution analog output	12 bit	-	12 bit	-
Multifunctional input (MF) ¹⁾	1 x			
Hysteresis ²⁾	0 mm 11,950 mm		0 mm 34,950 mm	
Data interface	IO-Link			

¹⁾ Response time \leq 60 ms.

²⁾ Adjustable via IO-Link.

Mechanics/electronics

	DT35	DS35	DL35	DR35
Supply voltage $V_s^{(1)(2)}$	DC 12 V 30 V			
Ripple ³⁾	$\leq 5 V_{pp}$			
Power consumption ^{4) 5)}	≤ 1.7 W			
Initialization time	≤ 500 ms			
Warm-up time	≤ 20 min			
Housing material	Plastic (ABS and PC) Acrylic glass (PMMA)			
Connection type	Connector M12, 5-pin			
Indication	LEDs			
Weight	65 g			

¹⁾ Limit values, reverse-polarity protected, operation in short-circuit protected network, max. 8 A.

 $^{\rm 2)}$ When using IO-Link output V $_{\rm s}$ > 18 V. When using analog voltage output V $_{\rm s}$ > 13 V.

 $^{\scriptscriptstyle 3)}$ May not fall short of or exceed V $_{\rm S}$ tolerances.

⁴⁾ At 20°C.

⁵⁾ Without load.

Ambient data

Enclosure rating	IP 65, IP 67
Protection class	III
Ambient temperature	Operation: -30 °C +55 °C ¹⁾ Storage: -40 °C +75 °C
Typ. ambient light safety	40 klx
Vibration resistance	EN 60068-2-6 / EN 60068-2-64
Shock resistance	EN 60068-2-27

¹⁾ $Uv \le 24 V.$

Ordering information

Measuring range ¹⁾	Analog output ³⁾	Switching output ^{4) 5)}	Response time ^{6) 7)}	Variant	Model name	Part no.
	1 x 4 mA 20 mA		2.5 ms / 6.5 ms / 12.5 ms / 24.5 ms / 96.5 ms	Red laser, class 2	DT35-B15251	1057652
50 mm 12,000 mm, 90 % remission ²⁾	(≤ 450 Ω) / 1 x 0 V 10 V (≥ 50 kΩ) /	1 x / 1 x / 2 x push-pull: PNP/NPN (100 mA), IO-Link ³⁾	4.5 ms / 12.5 ms / 24.5 ms / 48.5 ms / 192.5 ms	Red laser, class 1	DT35-B15551	1057651
50 mm 5.300 mm,	-		2.5 ms / 6.5 ms / 12.5 ms / 24.5 ms / 96.5 ms	Infrared laser, class 1	DT35-B15851	1057653
18 % remission ²⁾			2.5 ms / 6.5 ms / 12.5 ms / 24.5 ms / 96.5 ms	Red laser, class 2	DS35-B15221	1057655
50 mm 3,100 mm, 6 % remission ²⁾	-	2 x push-pull: PNP/NPN (100 mA), IO-Link	4.5 ms / 12.5 ms / 24.5 ms / 48.5 ms / 192.5 ms	Red laser, class 1	DS35-B15521	1057654
			2.5 ms / 6.5 ms / 12.5 ms / 24.5 ms / 96.5 ms	Infrared laser, class 1	DS35-B15821	1057656
	1 x 4 mA 20 mA (≤ 450 Ω) /	1x/1x/2x	2.5 ms / 6.5 ms /	Red laser, class 1	DL35-B15552	1057657
200 mm 35,000 mm,	1 x 0 V 10 V (≥ 50 kΩ) / -	push-pull: PNP/NPN (100 mA), IO-Link ³⁾	12.5 ms / 24.5 ms / 96.5 ms	Infrared laser, class 1	DL35-B15852	1057658
on "Diamond Grade"		2 x push-pull: PNP/NPN (100 mA),	2.5 ms / 6.5 ms /	Red laser, class 1	DR35-B15522	1057659
	-	IO-Link	12.5 ms / 24.5 ms / 96.5 ms	Infrared laser, class 1	DR35-B15822	1057660

 $^{\mbox{\tiny 1)}}$ See characteristic curves repeatability.

²⁾ For speed setting Super Slow.

 $^{\scriptscriptstyle 3)}$ Output $\rm Q_2^{},$ selectable: 4 mA ... 20 mA / 0 V ... 10 V / switching output.

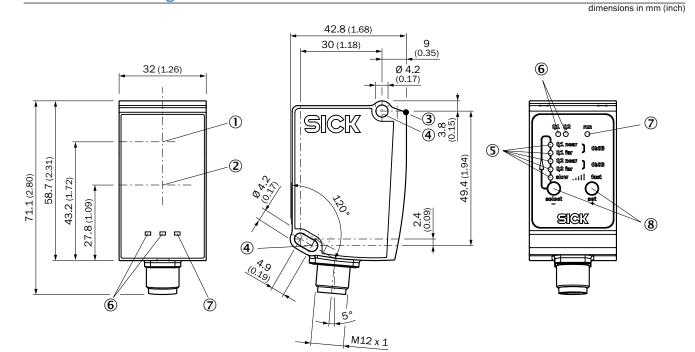
⁴⁾ Output Q, short-circuit protected.

 $^{\rm 5)}$ Voltage drop < 3 V.

 $^{\rm 6)}$ Dependent on the set speed: Super Fast ... Super Slow.

 $^{\mbox{\tiny 7)}}$ Lateral entry of object into measuring range.

Dimensional drawing



① Optical axis, sender

2 Optical axis, receiver

③ Zero level

④ Mounting hole M4

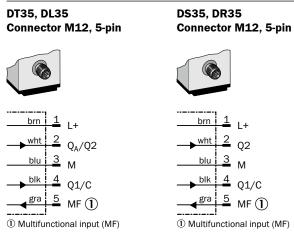
⑤ LEDs, teach-in

6 LEDs, status Q1/Q2

⑦ Operating indicator

⑧ Control elements

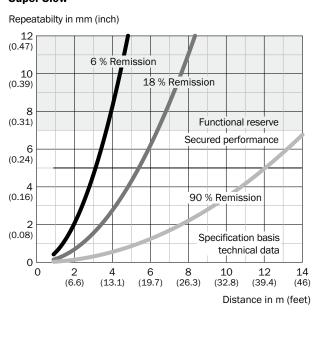
Connection type and diagram



Repeatability

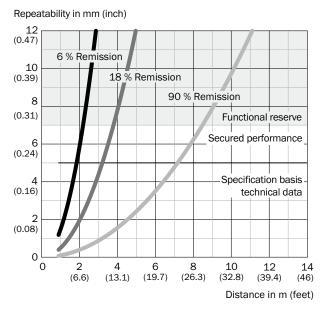
DT35, DS35

Super Slow



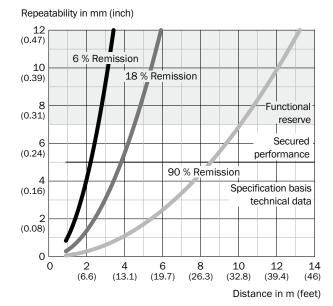
DT35, DS35

Medium



DT35, DS35

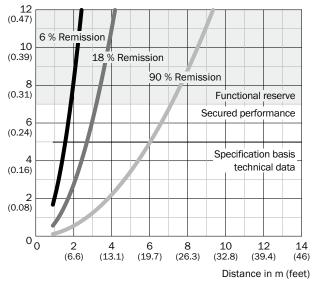
Slow



DT35, DS35

Fast

Repeatability in mm (inch)



DT35, DS35

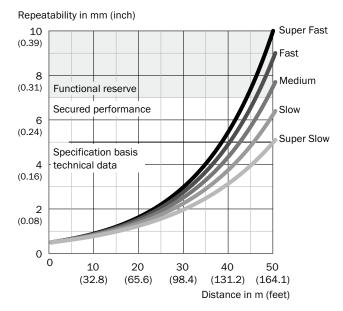
Repeatability in mm (inch)

Super Fast

12 (0.47) 6 % Remission 10 (0.39) 18 % Remission 90 % Remission 8 (0.31) Functional reserve Secured performance 6 (0.24) Specification basis 4 . (0.16) technical data 2 (0.08) 0 8 (26.3) 0 2 (6.6) 6 (19.7) 4 10 12 14 (13.1) (32.8) (39.4) (46) Distance in m (feet)

DL35, DR35

Super Slow ... Super Fast



Accessories

Device protection (mechanical)

Front screen protection

Description	Model name	Part no.	DT35	DS35	DL35	DR35
Front screen protection set (protects sensors from damage by flying sparks and welding beads)	LPC-DX35	2067367	•	•	•	•

Mounting brackets/plates

Mounting brackets

Description	Model name	Part no.	DT35	DS35	DL35	DR35
Mounting bracket, steel, zinc coated, incl. mounting material	BEF-WN-DX50	2048370	•	•	•	•
Mounting bracket: horizontal sending axis for ceiling or floor installa- tion or vertical sending axis for wall installation, steel, zinc coated, incl. mounting material	BEF-WN-DX35	2069592	•	•	•	•

Others

Description	Model name	Part no.	DT35	DS35	DL35	DR35
IO-Link-Master	IOLSHPB-P3104R01	6039728	•	•	•	•

Plug connectors and cables

Connecting cable (female connector-open)

• Connection type head B: cable

	Connection type head A	Material	Special feature	Cable length	Model name	Part no.	DT35	DS35	DL35	DR35
				2 m	DOL-1205-G02M	6008899	•	ullet	ullet	•
	Female connector,	PVC		5 m	DOL-1205-G05M	6009868	•	ullet	ullet	ullet
	M12, 5-pin, straight	PVC	-	10 m	DOL-1205-G10M	6010544	•	ullet	ullet	ullet
Illustration may differ				15 m	DOL-1205-G15M	6029215	•	ullet	•	ullet
				2 m	DOL-1205-G02MC	6025906	٠	ullet	ullet	•
			5 m	DOL-1205-G05MC	6025907	٠	ullet	ullet	ullet	
~~	- · ·	PUR, halogen-free	_	9 m	DOL-1205-G09MC	6037154	٠	ullet	•	ullet
	Female connector, M12, 5-pin, straight			10 m	DOL-1205-G10MC	6025908	٠	ullet	ullet	ullet
				5 m	DOL-1205-G05MAC	6036384	٠	ullet	•	•
			Shielded	10 m	DOL-1205-G10MAC	6036385	٠	ullet	•	•
				20 m	DOL-1205-G20MAC	6036386	٠	ullet	•	•
×	- · ·			2 m	DOL-1205-W02M	6008900	٠	ullet	•	•
	Female connector, M12, 5-pin, angled	PVC	-	5 m	DOL-1205-W05M	6009869	٠	ullet	ullet	ullet
	, , , , , , , , , , , , , , , , , , , ,			10 m	DOL-1205-W10M	6010542	٠	ullet	•	•
~ ~		2112		2 m	DOL-1205-W02MC	6025909	٠	ullet	ullet	•
	Female connector, M12, 5-pin, angled	PUR, halogen-free	-	5 m	DOL-1205-W05MC	6025910	٠	ullet	ullet	•
		0		10 m	DOL-1205-W10MC	6025911	٠	ullet	•	\bullet
	Female connector,	PUR,	Drag obain usa	5 m	DOL-1205-W05MAC	6041751	٠	ullet	ullet	ullet
	M12, 5-pin, angled	halogen-free	Drag chain use	10 m	DOL-1205-W10MAC	6041752	٠	٠	•	٠

Connection cable (male-female connector)

	Connection type head A	Connection type head B	Cable length	Model name	Part no.	DT35	DS35	DL35	DR35
			1 m	DSL-1205-G01MC	6029280	•	•	ullet	ullet
	· · · · ·	· · · · · · · · · · · · · · · · · · ·	2 m	DSL-1205-G02MC	6025931	٠	•	ullet	ullet
			5 m	DSL-1205-G05MC	6029282	٠	ullet	ullet	ullet
No No			10 m	DSL-1205-G10MC	6038954	٠	ullet	ullet	٠
			15 m	DSL-1205-G15MC	6038956	٠	ullet	ullet	٠
			20 m	DSL-1205-G20MC	6038957	٠	٠	•	ullet

Female connector (ready to assemble)

	Connection type head A	Model name	Part no.	DT35	DS35	DL35	DR35
	Female connector, M12, 5-pin, straight	D0S-1205-G	6009719	•	•	•	•
	Female connector, M12, 5-pin, straight	DOS-1205-GA	6027534	•	•	•	•
100	Female connector, M12, 5-pin, angled	DOS-1205-W	6009720	•	•	•	•

Male connector (ready to assemble)

Connection type head A	Model name	Part no.	DT35	DS35	DL35	DR35
Connector, M12, 5-pin, straight	STE-1205-G	6022083	•	•	•	•
Connector, M12, 5-pin, straight	STE-1205-GA	6027533	•	•	•	•
 Connector, M12, 5-pin, angled	STE-1205-W	6022082	•	•	•	•

Reflectors

Angular shaped

Description	Model name	Part no.	DT35	DS35	DL35	DR35
Reflector plate, reflective tape "Diamond Grade", 330 mm x 330 mm, material base plate: aluminum, screw connection	PL240DG	1017910	-	-	•	•
Reflector plate, reflective tape "Diamond Grade", 330 mm x 330 mm, material base plate: aluminum, screw connection, heated	PL240DG-H	1022926	-	-	•	•
Reflector plate, reflective tape "Diamond Grade", 665 mm x 665 mm, material base plate: aluminum, screw connection	PL560DG	1016806	-	-	•	•
Reflector plate, reflective tape "Diamond Grade", 665 mm x 665 mm, material base plate: aluminum, screw connection, heated	PL560DG-H	1023888	-	-	•	•
Reflector plate, reflective tape "Diamond Grade", 1,000 mm x 1,000 mm, material base plate: aluminum, screw connection	PL880DG	1018975	-	-	•	•
Reflector plate, reflective tape "Diamond Grade", 1,200 mm x 1,200 mm, material base plate: aluminum, screw connection	PL1200DG	1051679	-	-	•	•

Reflective tape

	Description	Model name	Part no.	DT35	DS35	DL35	DR35
	Reflective tape "Diamond Grade", self-adhesive, sheet	REF-DG	5320565	-	-	•	ullet
	Reflective tape "Diamond Grade", self-adhesive, customizable size by sheet	REF-DG-K	4019634	-	-	•	•

Terminal and alignment brackets

Alignment brackets

Description	Model name	Part no.	DT35	DS35	DL35	DR35
Alignment unit, steel, zinc coated, mounting hardware for the sensor included	BEF-AH-DX50	2048397	•	•	•	•

Universal bar clamp systems

	Description	Model name	Part no.	DT35	DS35	DL35	DR35
1	Plate NO2 for universal clamp bracket, mounting hardware	BEF-KHS-N02	2051608	•	•	•	•
	Plate N02N for universal clamp bracket, mounting hardware	BEF-KHS-N02N	2051618	•	•	•	•
- Or	Plate N03 for universal clamp bracket, mounting hardware	BEF-KHS-N03	2051609	٠	•	ullet	ullet
	Plate N03N for universal clamp bracket, mounting hardware	BEF-KHS-N04N	2051619	•	•	•	•
	Mounting bar, straight, 200 mm, without mounting hardware	BEF-MS12G-A	4056054	٠	•	•	ullet
	Mounting bar, straight, 300 mm, without mounting hardware	BEF-MS12G-B	4056055	٠	ullet	ullet	ullet
	Mounting bar, straight, 200 mm	BEF-MS12G-NA	4058914	٠	ullet	ullet	ullet
	Mounting bar, straight, 300 mm	BEF-MS12G-NB	4058915	٠	٠	•	•

	Description	Model name	Part no.	DT35	DS35	DL35	DR35
	Mounting bar, L-shaped, 150 mm x 150 mm, without mounting hardware	BEF-MS12L-A	4056052	•	•	•	•
	Mounting bar, L-shaped, 250 x 250 mm, without mounting hardware	BEF-MS12L-B	4056053	٠	٠	ullet	•
	Mounting bar, L-shaped, 150 mm x 150 mm	BEF-MS12L-NA	4058912	٠	٠	ullet	ullet
	Mounting bar, L-shaped, 250 mm x 250 mm	BEF-MS12L-NB	4058913	٠	ullet	ullet	ullet
\square	Mounting rod, U-shape, bending radius 26 mm	BEF-MS12U	4065437	•	•	•	•
5	Mounting bar, Z-shaped, 150 mm x 70 mm x 150 mm, without mounting hardware	BEF-MS12Z-A	4056056	•	•	•	•
	Mounting bar, Z-shaped, 150 mm x 70 mm x 250 mm, without mounting hardware	BEF-MS12Z-B	4056057	•	•	•	•
	Mounting bar, Z-shaped, 100 mm x 150 mm x 200 mm, without mounting hardware	BEF-MS12Z-C	4064563	•	•	•	•
	Mounting bar, Z-shaped, 150 mm x 70 mm x 150 mm	BEF-MS12Z-NA	4058916	٠	ullet	ullet	ullet
	Mounting bar, Z-shaped, 150 mm x 70 mm x 250 mm	BEF-MS12Z-NB	4058917	٠	ullet	ullet	ullet
00	Bar clamp for bar diameter of 12 mm (fixing the mounting rod), 2 screws M6 x 30, 2 spring discs	BEF-RMC-D12	5321878	•	•	•	•

Simple integration into your automation world

Our intelligent sensor solutions and safety controllers make available different integration technologies that allow easy access – from HMI, PLC, and engineering tools – to data from our sensors. In this way, we support you towards solving your application rapidly and easily and increase machine availability with a continuous diagnostic concept.

Industrial communication



SICK's fieldbus and network solutions allow sensors and safety controllers from SICK to be connected to all common automation systems. This guarantees simple and fast access to all available data and information.

PLC and engineering tool integration



Whether the issue is generic integration using device description files, standardized interfaces (e.g. TCI, FDT/DTM) for diagnosis or integration into the PLC program via function blocks – the user-friendly tools from SICK support you in implementation.



HMI integration



SICK offers a wide range of means to integrate process, status, and diagnostic data from SICK sensors into a visualization system. Tools such as OPC servers, web servers, or SCL allow simple and fast integration into your individual HMI solution – independent of the technology used.

Software and tools

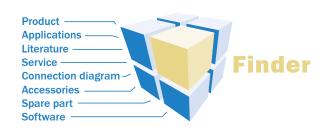


Our software tools support you in establishing connections, parameterizing and diagnosing sensors and safety controllers from SICK. The intuitive user interface permits simple and fast designing and realization of the application required.

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SICK LifeTime Services is a comprehensive set of high-quality services provided to support the entire life cycle of products and applications from system design all the way to upgrades. These services increase the safety of people, boost the productivity of machines and serve as the basis for our customers' sustainable business success.





Consulting & Design Globally available experts for cost-effective solutions



Product & System Support Fast and reliable, by telephone or on location



Verification & Optimization Checks and recommendations for increased availability

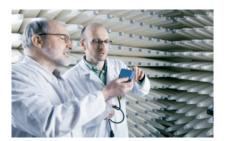


Upgrade & Retrofits Uncovers new potential for machines and systems



Training & Education Employee qualification for increased competitiveness

SICK at a glance



Leading technologies

With a staff of more than 5,800 and nearly 50 subsidiaries and representations worldwide, SICK is one of the leading and most successful manufacturers of sensor technology. The power of innovation and solution competency have made SICK the global market leader. No matter what the project and industry may be, talking with an expert from SICK will provide you with an ideal basis for your plans – there is no need to settle for anything less than the best.



Unique product range

- Non-contact detecting, counting, classifying, positioning and measuring of any type of object or media
- Accident and operator protection with sensors, safety software and services
- Automatic identification with bar code and RFID readers
- Laser measurement technology for detecting the volume, position and contour of people and objects
- Complete system solutions for analysis and flow measurement of gases and liquids



Comprehensive services

- SICK LifeTime Services for safety and productivity
- Application centers in Europe, Asia and North America for the development of system solutions under realworld conditions
- E-Business Partner Portal www.mysick.com – price and availability of products, requests for quotation and online orders

Worldwide presence with subsidiaries in the following countries:

Australia Belgium/Luxembourg Brasil Ceská Republika Canada China Danmark Deutschland España France Great Britain India Israel Italia Japan

México Nederland Norge Österreich Polska România Russia Schweiz Singapore Slovenija South Africa South Korea Suomi Sverige Taiwan Türkiye **United Arab Emirates** USA

Please find detailed addresses and additional representatives and agencies in all major industrial nations at www.sick.com

