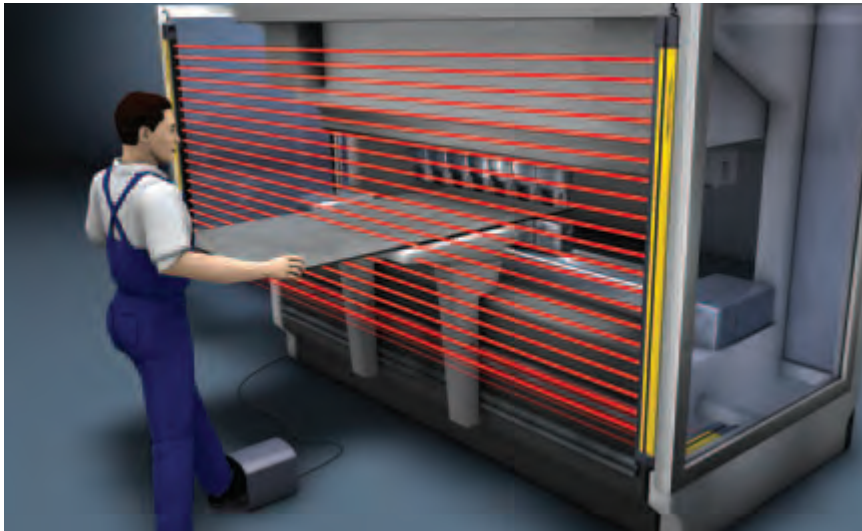
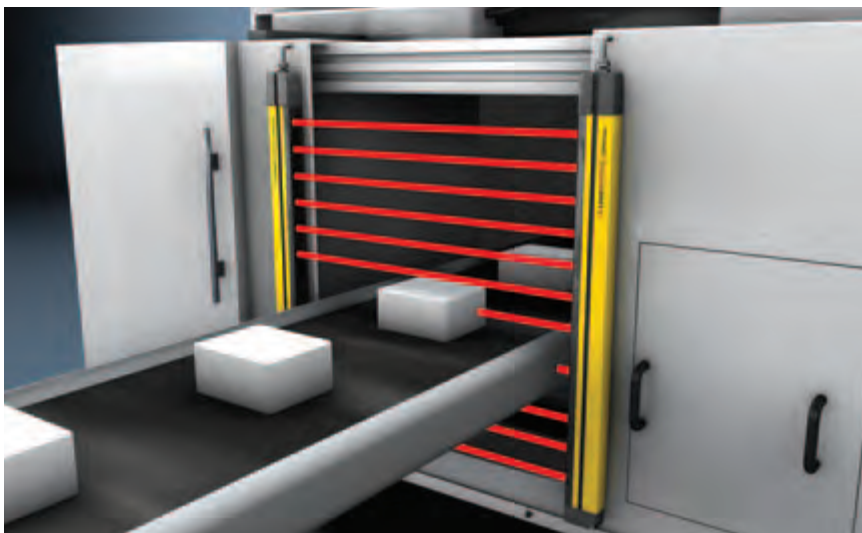


SAFETY LIGHT CURTAINS

COMPACTplus-b



Safety Light Curtains with resolutions that can be reduced guarantee protection and tolerate work equipment in the protective field



The blanking of individual beams guarantees safety with simultaneous material flow

Typical areas of application

- Point of operation guarding with hand and finger protection, e.g. on hydraulic and mechanical presses or punching machines in the metals, leather and plastics industries
- Horizontal danger zone guarding, e.g. in robot entry areas

With special task requirements in material conveyance, the blanking of individual beams may be required in order to ensure an efficient, continuous process while simultaneously guaranteeing safety. The COMPACTplus-b type 4 Safety Light Curtains in accordance with IEC/EN 61496 have been designed with these requirements in mind. They provide blanking functions for blanking any amount of beams and beam areas of varying sizes. Work pieces, for example, consequently pass through the protective field without interruption. By setting a reduced resolution, thin plates or tubes can also move through the protective field.

COMPACTplus-b sensors can be cascaded with devices of the COMPACT series (for ordering information, see page 110). Here COMPACTplus acts as Host and COMPACT as Guest. The functions are given by COMPACTplus Host.

COMPACTplus Safety Light Curtains and Multiple Light Beam Safety Devices can be equipped with various functions to optimally perform specific tasks with regard to higher functionality, more flexible integration and easier operability. The COMPACTplus series have a start/restart interlock, contactor monitoring and additional functions that can be easily activated with switches. External additional modules are therefore no longer required. Specific settings are made with the diagnostics and parametering software, SafetyLab. COMPACTplus can be connected to both conventional safety modules and to open safety bus systems via various interfaces (transistor/relay output, AS-Interface Safety at Work, PROFIsafe). These safety sensors can therefore be flexibly integrated into existing automation environments.

COMPACTplus-b

Important technical data, overview

Type in accordance with IEC/EN 61496	Type 4		
SIL in accordance with IEC 61508 and SILCL in accordance with IEC/EN 62061	SIL 3		
Performance Level (PL) in accordance with EN ISO 13849-1	PL e		
Category in accordance with EN ISO 13849	4		
Resolution	14 mm	30 mm	50 mm
Range	0...6 m	0...18 m	0...18 m
Protective field height (type-dependent)	150 ... 3000 mm		
Profile cross-section	52 mm x 55 mm		
Safety-related switching outputs (OSSDs)	2 pnp transistor outputs, 2 relay outputs AS-i Safety Interface, PROFIsafe interface		
Connection system	Cable gland Hirschmann plug MIN-style plug M12 plug		

Functions

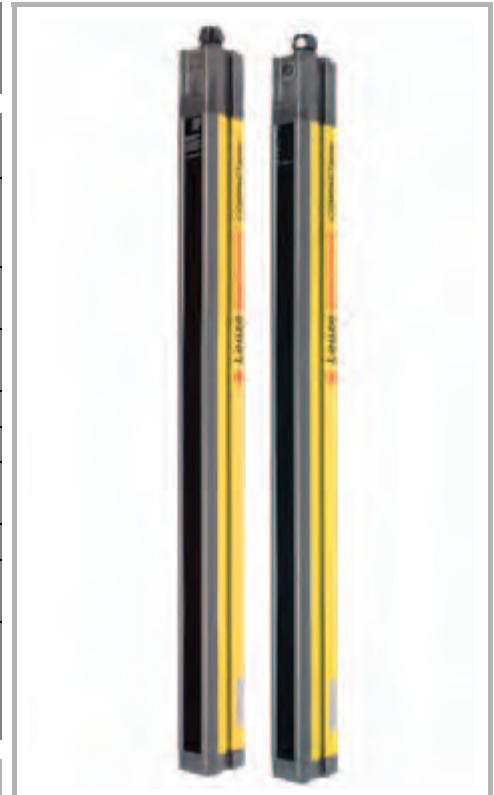
Start/restart interlock (RES), selectable
Dynamic contactor monitoring (EDM), selectable
2 transmission channels, selectable
Fixed blanking can be taught in
Floating blanking can be taught in
Single-beam or 2-beam reduced resolution
Additional 2-channel blanking circuit

Functions extension with "SafetyLab" PC software (accessories)

Infrared interface for parametering and diagnostics
Teaching-in override function for floating blanking
Graphics-supported protective field editor
Reduced resolutions in protective field sub-areas
3-beam reduced resolution
Beam signals for position and height measuring

Special features

- **Plug-in module with saved device parameters for fast device swap-out**
- **M12 local interface for connecting local sensors and signal devices**



Features



Further information

Further information	Page
● Ordering information	108
● Electrical connection	115
● Technical data	117
● Dimensional drawings	119
● Dimensional drawings: Accessories	121
● Accessories ordering information	122

Machine Safety

Machine Safety Services

Safety Engineering Software

Safety Laser Scanners

Safety Light Curtains

Multiple Light Beam Safety Devices

Safety Sensor Sets

Single Light Beam Safety Devices

AS-Interface Safety at Work

PROFIsafe Sensors

SAFETY LIGHT CURTAINS

Ordering information

COMPACTplus-b, consisting of transmitter and receiver.
Included in delivery: 4 sliding blocks, 2 bracket sets BT-S,
1 SafetyKey, 1 connecting and operating instructions manual,
1 self-adhesive information plate

Functions: Start/restart interlock, contactor monitoring,
2 transmission channels, fixed blanking, floating blanking,
reduced resolution

Protective field height in mm	COMPACTplus-b			COMPACTplus-b		
	Art. no.	Article	Description	Art. no.	Article	Description
	Resolution: 14 mm			Resolution: 30 mm		
	Range: 0 - 6 m			Range: 0 - 18 m		
150	68101000	CPT14-150/T1	Transmitter	68301000	CPT30-150/T1	Transmitter
	68101420	CPR14-150-b/T1	Receiver	68301420	CPR30-150-b/T1	Receiver
225	68102000	CPT14-225/T1	Transmitter	68302000	CPT30-225/T1	Transmitter
	68102420	CPR14-225-b/T1	Receiver	68302420	CPR30-225-b/T1	Receiver
300	68103000	CPT14-300/T1	Transmitter	68303000	CPT30-300/T1	Transmitter
	68103420	CPR14-300-b/T1	Receiver	68303420	CPR30-300-b/T1	Receiver
450	68104000	CPT14-450/T1	Transmitter	68304000	CPT30-450/T1	Transmitter
	68104420	CPR14-450-b/T1	Receiver	68304420	CPR30-450-b/T1	Receiver
600	68106000	CPT14-600/T1	Transmitter	68306000	CPT30-600/T1	Transmitter
	68106420	CPR14-600-b/T1	Receiver	68306420	CPR30-600-b/T1	Receiver
750	68107000	CPT14-750/T1	Transmitter	68307000	CPT30-750/T1	Transmitter
	68107420	CPR14-750-b/T1	Receiver	68307420	CPR30-750-b/T1	Receiver
900	68109000	CPT14-900/T1	Transmitter	68309000	CPT30-900/T1	Transmitter
	68109420	CPR14-900-b/T1	Receiver	68309420	CPR30-900-b/T1	Receiver
1050	68110000	CPT14-1050/T1	Transmitter	68310000	CPT30-1050/T1	Transmitter
	68110420	CPR14-1050-b/T1	Receiver	68310420	CPR30-1050-b/T1	Receiver
1200	68112000	CPT14-1200/T1	Transmitter	68312000	CPT30-1200/T1	Transmitter
	68112420	CPR14-1200-b/T1	Receiver	68312420	CPR30-1200-b/T1	Receiver
1350	68113000	CPT14-1350/T1	Transmitter	68313000	CPT30-1350/T1	Transmitter
	68113420	CPR14-1350-b/T1	Receiver	68313420	CPR30-1350-b/T1	Receiver
1500	68115000	CPT14-1500/T1	Transmitter	68315000	CPT30-1500/T1	Transmitter
	68115420	CPR14-1500-b/T1	Receiver	68315420	CPR30-1500-b/T1	Receiver
1650	68116000	CPT14-1650/T1	Transmitter	68316000	CPT30-1650/T1	Transmitter
	68116420	CPR14-1650-b/T1	Receiver	68316420	CPR30-1650-b/T1	Receiver
1800	68118000	CPT14-1800/T1	Transmitter	68318000	CPT30-1800/T1	Transmitter
	68118420	CPR14-1800-b/T1	Receiver	68318420	CPR30-1800-b/T1	Receiver

Standard model /T1 with metric cable gland (M20).

Test rod included in scope of delivery

Standard model /T1 with metric cable gland (M20).

Test rod included in scope of delivery

Ordering information

COMPACTplus-b, consisting of transmitter and receiver.
Included in delivery: 4 sliding blocks, 2 bracket sets BT-S,
1 SafetyKey, 1 connecting and operating instructions manual,
1 self-adhesive information plate

Functions: Start/restart interlock, contactor monitoring,
2 transmission channels, fixed blanking, floating blanking,
reduced resolution

Protective field height in mm	COMPACTplus-b		
	Resolution: 50 mm Range: 0 - 18 m		
	Art. no.	Article	Description
450	68504000	CPT50-450/T1	Transmitter
	68504420	CPR50-450-b/T1	Receiver
600	68506000	CPT50-600/T1	Transmitter
	68506420	CPR50-600-b/T1	Receiver
750	68507000	CPT50-750/T1	Transmitter
	68507420	CPR50-750-b/T1	Receiver
900	68509000	CPT50-900/T1	Transmitter
	68509420	CPR50-900-b/T1	Receiver
1050	68510000	CPT50-1050/T1	Transmitter
	68510420	CPR50-1050-b/T1	Receiver
1200	68512000	CPT50-1200/T1	Transmitter
	68512420	CPR50-1200-b/T1	Receiver
1350	68513000	CPT50-1350/T1	Transmitter
	68513420	CPR50-1350-b/T1	Receiver
1500	68515000	CPT50-1500/T1	Transmitter
	68515420	CPR50-1500-b/T1	Receiver
1650	68516000	CPT50-1650/T1	Transmitter
	68516420	CPR50-1650-b/T1	Receiver
1800	68518000	CPT50-1800/T1	Transmitter
	68518420	CPR50-1800-b/T1	Receiver
2100	68521000	CPT50-2100/T1	Transmitter
	68521420	CPR50-2100-b/T1	Receiver
2400	68524000	CPT50-2400/T1	Transmitter
	68524420	CPR50-2400-b/T1	Receiver
2700	68527000	CPT50-2700/T1	Transmitter
	68527420	CPR50-2700-b/T1	Receiver
3000	68530000	CPT50-3000/T1	Transmitter
	68530420	CPR50-3000-b/T1	Receiver

Standard model /T1 with metric cable gland (M20).

SAFETY LIGHT CURTAINS

Ordering information

COMPACT Guest, consisting of transmitter and receiver.
Included in delivery: 4 sliding blocks, 2 mounting sets BT-S

Functions: For cascading with COMPACT*plus*-b host,
functions specified by host

Protective field height in mm	COMPACT Guest Connection system: M12 plug Resolution: 14 mm Range: 0 - 6 m			COMPACT Guest Connection system: M12 plug Resolution: 30 mm Range: 0 - 18 m		
	Art. no.	Article	Description	Art. no.	Article	Description
150	563101	CT14-150S	Transmitter	563301	CT30-150S	Transmitter
	566101	CR14-150S	Receiver	566301	CR30-150S	Receiver
225	563102	CT14-225S	Transmitter	563302	CT30-225S	Transmitter
	566102	CR14-225S	Receiver	566302	CR30-225S	Receiver
300	563103	CT14-300S	Transmitter	563303	CT30-300S	Transmitter
	566103	CR14-300S	Receiver	566303	CR30-300S	Receiver
450	563104	CT14-450S	Transmitter	563304	CT30-450S	Transmitter
	566104	CR14-450S	Receiver	566304	CR30-450S	Receiver
600	563106	CT14-600S	Transmitter	563306	CT30-600S	Transmitter
	566106	CR14-600S	Receiver	566306	CR30-600S	Receiver
750	563107	CT14-750S	Transmitter	563307	CT30-750S	Transmitter
	566107	CR14-750S	Receiver	566307	CR30-750S	Receiver
900	563109	CT14-900S	Transmitter	563309	CT30-900S	Transmitter
	566109	CR14-900S	Receiver	566309	CR30-900S	Receiver
1050	563110	CT14-1050S	Transmitter	563310	CT30-1050S	Transmitter
	566110	CR14-1050S	Receiver	566310	CR30-1050S	Receiver
1200	563112	CT14-1200S	Transmitter	563312	CT30-1200S	Transmitter
	566112	CR14-1200S	Receiver	566312	CR30-1200S	Receiver
1350	563113	CT14-1350S	Transmitter	563313	CT30-1350S	Transmitter
	566113	CR14-1350S	Receiver	566313	CR30-1350S	Receiver
1500	563115	CT14-1500S	Transmitter	563315	CT30-1500S	Transmitter
	566115	CR14-1500S	Receiver	566315	CR30-1500S	Receiver
1650	563116	CT14-1650S	Transmitter	563316	CT30-1650S	Transmitter
	566116	CR14-1650S	Receiver	566316	CR30-1650S	Receiver
1800	563118	CT14-1800S	Transmitter	563318	CT30-1800S	Transmitter
	566118	CR14-1800S	Receiver	566318	CR30-1800S	Receiver
2100	563121	CT14-2100S	Transmitter	563321	CT30-2100S	Transmitter
	566121	CR14-2100S	Receiver	566321	CR30-2100S	Receiver

Ordering information

COMPACT Guest, consisting of transmitter and receiver.
Included in delivery: 4 sliding blocks, 2 mounting sets BT-S

Functions: For cascading with COMPACTplus-b host,
functions specified by host

Protective field height in mm	COMPACT Guest Connection system: M12 plug Resolution: 50 mm Range: 0 - 18 m			COMPACT Guest Connection system: M12 plug Resolution: 90 mm Range: 0 - 18 m		
	Art. no.	Article	Description	Art. no.	Article	Description
450	563504	CT50-450S	Transmitter			
	566504	CR50-450S	Receiver			
600	563506	CT50-600S	Transmitter			
	566506	CR50-600S	Receiver			
750	563507	CT50-750S	Transmitter	563907	CT90-750S	Transmitter
	566507	CR50-750S	Receiver	566907	CR90-750S	Receiver
900	563509	CT50-900S	Transmitter	563909	CT90-900S	Transmitter
	566509	CR50-900S	Receiver	566909	CR90-900S	Receiver
1050	563510	CT50-1050S	Transmitter	563910	CT90-1050S	Transmitter
	566510	CR50-1050S	Receiver	566910	CR90-1050S	Receiver
1200	563512	CT50-1200S	Transmitter	563912	CT90-1200S	Transmitter
	566512	CR50-1200S	Receiver	566912	CR90-1200S	Receiver
1350	563513	CT50-1350S	Transmitter	563913	CT90-1350S	Transmitter
	566513	CR50-1350S	Receiver	566913	CR90-1350S	Receiver
1500	563515	CT50-1500S	Transmitter	563915	CT90-1500S	Transmitter
	566515	CR50-1500S	Receiver	566915	CR90-1500S	Receiver
1650	563516	CT50-1650S	Transmitter	563916	CT90-1650S	Transmitter
	566516	CR50-1650S	Receiver	566916	CR90-1650S	Receiver
1800	563518	CT50-1800S	Transmitter	563918	CT90-1800S	Transmitter
	566518	CR50-1800S	Receiver	566918	CR90-1800S	Receiver
2100	563521	CT50-2100S	Transmitter	563921	CT90-2100S	Transmitter
	566521	CR50-2100S	Receiver	566921	CR90-2100S	Receiver
2400	563524	CT50-2400S	Transmitter	563924	CT90-2400S	Transmitter
	566524	CR50-2400S	Receiver	566924	CR90-2400S	Receiver
2700	563527	CT50-2700S	Transmitter	563927	CT90-2700S	Transmitter
	566527	CR50-2700S	Receiver	566927	CR90-2700S	Receiver
3000	563530	CT50-3000S	Transmitter	563930	CT90-3000S	Transmitter
	566530	CR50-3000S	Receiver	566930	CR90-3000S	Receiver

SAFETY LIGHT CURTAINS

COMPACT*plus-b* – model varieties

Article	Description	Safety-related switching outputs (OSSD), connection system
CPT...../T1	Transmitter	Cable gland (M20)
CPR...../T1	Receiver	Transistor output, cable gland (M20)
CPR...../R1	Receiver	Relay output, cable gland (M25)
CPT...../T2	Transmitter	Hirschmann plug, 12-pin
CPR...../T2	Receiver	Transistor output, Hirschmann plug, 12-pin
CPR...../R2	Receiver	Relay output, Hirschmann plug, 12-pin
CPT...../T3	Transmitter	MIN-style plug, 3-pin
CPR...../T3	Receiver	Transistor output, MIN-style plug, 7-pin
CPR...../R3	Receiver	Relay output, MIN-style plug, 12-pin
CPT...../T4	Transmitter	M12 plug, 5-pin
CPR...../T4	Receiver	Transistor output, M12 plug, 8-pin
CPT...../AP	Transmitter	Integrated AS-Interface, M12 plug, 5-pin
CPR...../A1	Receiver with AS-i Safety Interface	Integrated AS-Interface, M12 plug, 5-pin
CPR...../P1	Receiver with PROFIsafe interface	Integrated PROFIBUS DP interface, M12 plug, 5 pin
CPT...../H/...	Transmitter, cascable	All
CPR...../H-...	Receiver, cascable	All

Delivery time for devices with MIN-style plug: approx. 6 weeks

Article list for COMPACTplus-b

Type 4 Safety Light Curtains

Article	Description
CP	COMPACTplus-b
a	Device type
T	Transmitter
R	Receiver
rr	Resolution/range
14	14 mm / range 0 - 6 m
30	30 mm / range 0 - 18 m
50	50 mm / range 0 - 18 m
hhh	Protective field height
150...1800	150...1800 mm for 14 mm resolution
150...1800	150...1800 mm for 30 mm resolution
450...3000	450...3000 mm for 50 mm resolution
k	Cascading option
H	Host (from 225 mm protective field height)
f	Function package (receiver only)
b	Blanking
tt	Safety-related switching outputs (OSSD), connection system
T1	Transistor output, cable gland
T2	Transistor output, Hirschmann plug (DIN 43651)
T3	Transistor output, MIN-style plug (MIN series)
T4	Transistor output, M12 plug
R1	Relay output, cable gland, receiver only
R2	Relay output, Hirschmann plug (DIN 43651), receiver only
R3	Relay output, MIN-style plug (MIN series), receiver only
A1	Integrated AS-Interface, M12 plug, receiver only
P1	Integrated PROFIBUS DP interface, M12 plug, receiver only
AP	M12 plug, transmitter only

CP a rr -hhh k -f /tt

Machine Safety

Machine Safety Services

Safety Engineering Software

Safety Laser Scanners

Safety Light Curtains

Multiple Light Beam Safety Devices

Safety Sensor Sets

Single Light Beam Safety Devices

AS-Interface Safety at Work

PROFIsafe Sensors

SAFETY LIGHT CURTAINS

Article numbers structure for COMPACTplus-b

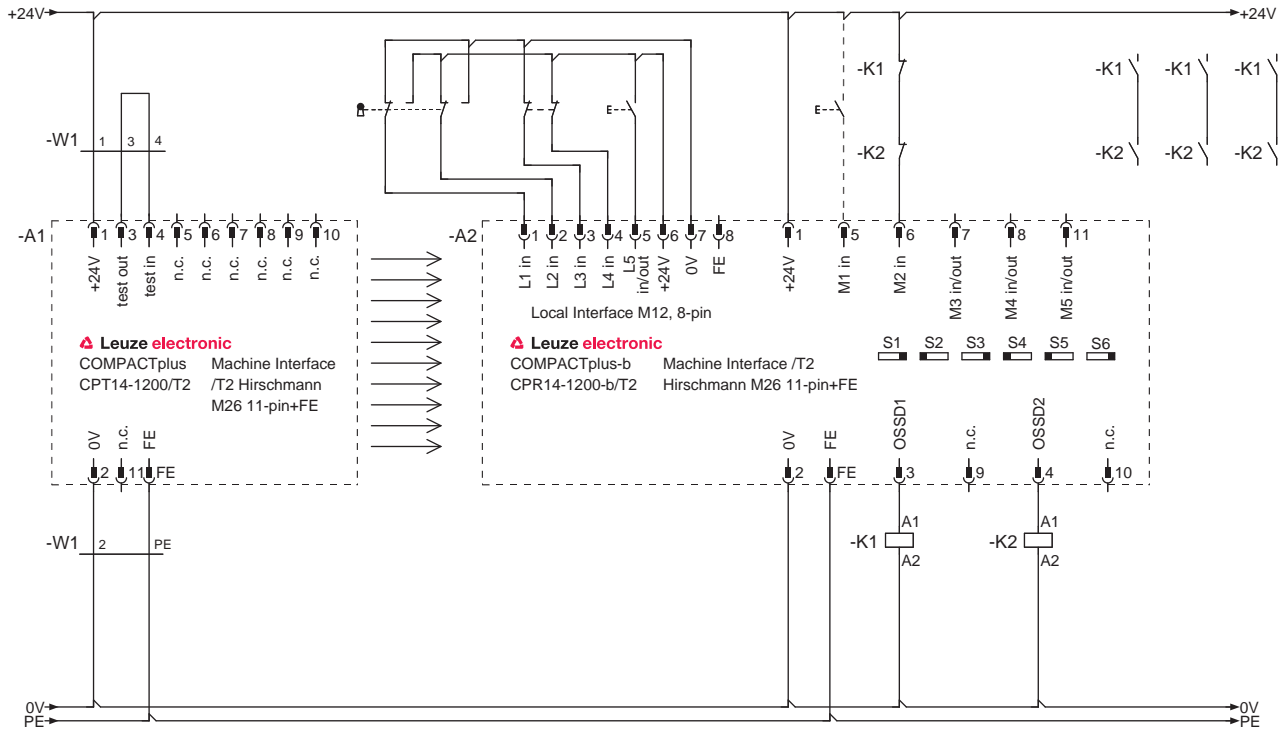
Type 4 Safety Light Curtains

Art. no.	Description
68	COMPACTplus-b
a	Resolution
1	14 mm
3	30 mm
5	50 mm
bb	Protective field height
01	150 mm
02	225 mm
03	300 mm
04	450 mm
06	600 mm
07	750 mm
09	900 mm
10	1050 mm
12	1200 mm
13	1350 mm
15	1500 mm
16	1650 mm
18	1800 mm
21	2100 mm
24	2400 mm
27	2700 mm
30	3000 mm
c	Device type
0	Basic transmitter device
1	Transmitter Host (cascadable)
4	Basic receiver device
6	Receiver Host (cascadable)
dd	Function package/safety-related switching outputs (OSSDs)
Transmitter	
00	Transmitter /T1
01	Transmitter /T2
02	Transmitter /T3
03	Transmitter /T4
50	Transmitter /AP
Receiver	
20	Blanking /T1
21	Blanking /T2
22	Blanking /T3
23	Blanking /T4
29	Blanking /R1
28	Blanking /R2
27	Blanking /R3
70	Blanking /A1
71	Blanking /P1

68 a bb c dd

Electrical connection

COMPACTplus-b connection example*



Functions selection with DIP switches (gray: DIP switch settings)		Position	
		L (FS)	R
S1	Contactor monitoring (EDM) on M2	Without	With
S2	Transmission channel (UK)	1	2
S3	Start/restart interlock (RES) on L5 or M1	Without	With
S4/S5	L/L (FS): Fixed blanking only	R/L: Floating blanking	
	L/R: 1-beam reduced resolution	R/R: 2-beam reduced resolution	
S6	Optional safety circuit on L3 and L4	Without	With

COMPACTplus-b connection system /T2 (Hirschmann plug)

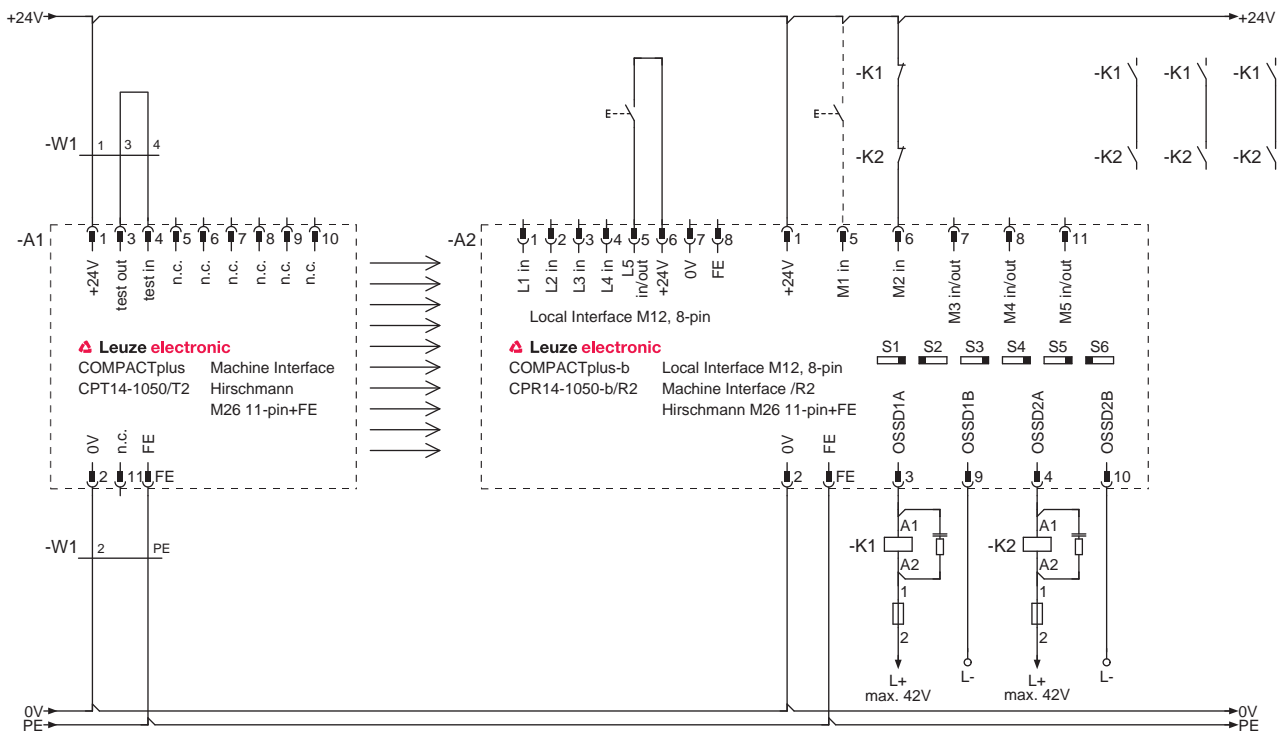
! Please observe the operating instructions of the components!

*) For further connection examples see chapter COMPACTplus-m, page 95
AS-Interface Safety at Work, page 318
PROFIBUS DP, page 348

SAFETY LIGHT CURTAINS

Electrical connection

COMPACTplus-b connection example*



Functions selection with DIP switches (gray: DIP switch settings)		Position	
		L (FS)	R
S1	Contactor monitoring (EDM) on M2	Without	With
S2	Transmission channel (UK)	1	2
S3	Start/restart interlock (RES) on L5 or M1	Without	With
S4/S5	L/L (FS): Fixed blanking only	R/L: Floating blanking	
	L/R: 1-beam reduced resolution	R/R: 2-beam reduced resolution	
S6	Optional safety circuit on L3 and L4	Without	With

COMPACTplus-b connection system /R2 (Hirschmann plug)

! Please observe the operating instructions of the components!

*) For further connection examples see chapter COMPACTplus-m, page 95
AS-Interface Safety at Work, page 318
PROFIBUS DP, page 348

Technical data

General system data				
Type in accordance with IEC/EN 61496		Type 4		
SIL in accordance with IEC 61508 and SILCL in accordance with IEC/EN 62061		SIL 3		
Performance Level (PL) in accordance with EN ISO 13849-1		PL e		
Probability of a failure to danger per hour (PFH _d)	For protective heights up to 900 mm, all resolutions	2.26 x 10 ⁻⁸ 1/h		
	For protective heights up to 1800 mm, all resolutions	2.67 x 10 ⁻⁸ 1/h		
	For protective heights up to 3000 mm	On request		
Service life (T _M) in accordance with EN ISO 13849-1		20 years		
Number of cycles until 10 % of the components have a failure to danger (B _{10d})*	With DC1 (ohmic load)	On request		
	With AC1 (ohmic load)	On request		
	With DC13 (inductive load)	630,000 (5 A, 24 V)		
	With AC15 (inductive load)	1,480,000 (3 A, 230 V)		
	Low load (20% nominal load)	On request		
Category in accordance with EN ISO 13849		4		
Resolution		14 mm	30 mm	50 mm
Range		0...6 m	0...18 m	0...18 m
Response time	Transistor output	5...41 ms	5...22 ms	7...18 ms
	Relay output	20...56 ms	20...37 ms	22...33 ms
	AS-i Safety Interface	10...46 ms	10...27 ms	12...23 ms
	PROFIsafe interface	25...61 ms	25...42 ms	27...38 ms
Protective field height		150...1800 mm	150...1800** mm	450...3000 mm
Supply voltage		24 V DC, ±20 %		
Connection cable length		Max. 100 m with 1.0 mm ²		
Safety class		III and I (depending on model)		
Protection rating		IP 65***		
Ambient temperature, operation		0...+50 °C		
Ambient temperature, storage		-25...+70 °C		
Relative humidity		15...95 %		
Profile cross-section		52 mm x 55 mm		
Weight per device (length-dependent)		0.70...8.30 kg		

*) For devices with relay output

**) Installation length up to 3000 mm on request

***) Without additional measures the devices are not suited for outdoor use.

SAFETY LIGHT CURTAINS

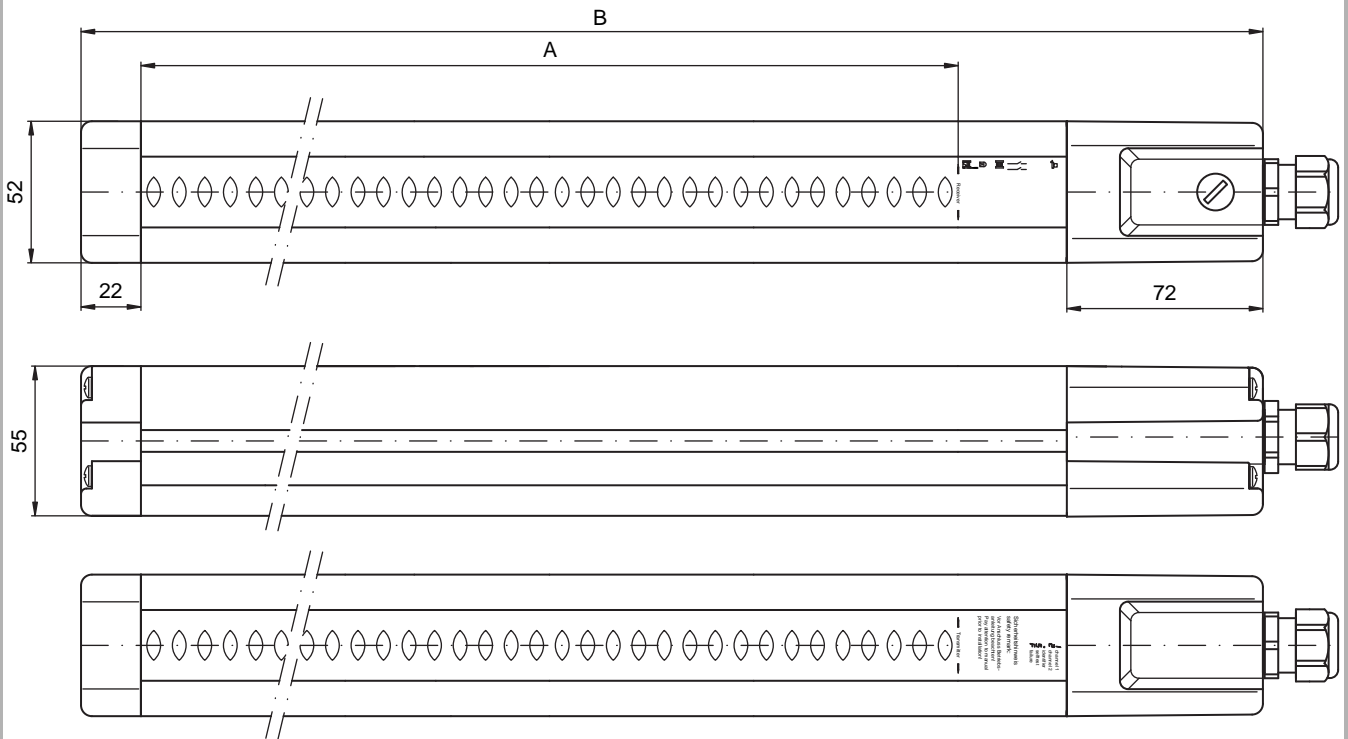
Technical data

Transmitter	
Transmitter diodes, class in accordance with EN 60825	1
Wavelength	880 nm
Current consumption	75 mA
Connection system	Cable gland (M20) Hirschmann plug (DIN 43651), 12-pin MIN-style plug (MIN series), 3-pin M12 plug, 5-pin
Receiver	
Current consumption	160 mA without external load
Safety-related switching outputs (OSSDs)	2 pnp transistor outputs (short circuit-proof, cross-circuit monitored) 2 relay outputs (NO) AS-i Safety Interface PROFIsafe interface
Switching voltage high active	Min. U _v -1.0 V
Switching voltage low	Max. +2.5 V
Switching current	Typical, 500 mA
Connection system	Cable gland (T1: M20, R1: M25) Hirschmann plug (DIN 43651), T2: 12-pin, R2: 12-pin MIN-style plug (MIN series), T3: 7-pin, R3: 12-pin M12 plug (safety bus systems), 5-pin, T4: 8-pin

Please note the additional information in the COMPACT*plus*-b Connecting and Operating Instructions at www.leuze.com/compactplus-b.

Dimensional drawings

COMPACTplus-b Safety Light Curtain



A = Protective field height according to ordering information
 B = A + 134 mm

Dimensions in mm

Our 3D CAD models can be found under: www.leuze.com/3d-cad-models.

Machine Safety

Machine Safety Services

Safety Engineering Software

Safety Laser Scanners

Safety Light Curtains

Multiple Light Beam Safety Devices

Safety Sensor Sets

Single Light Beam Safety Devices

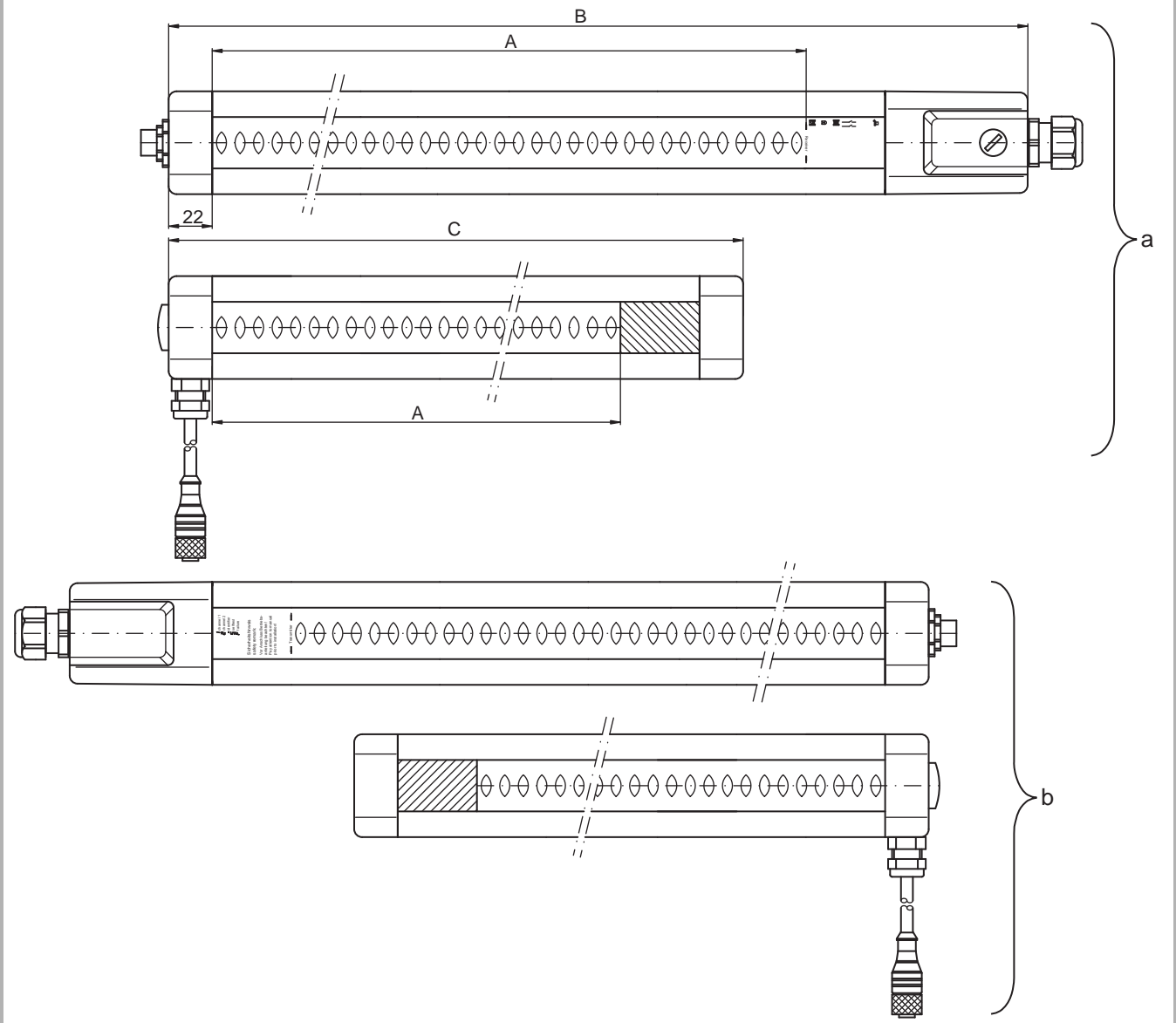
AS-Interface Safety at Work

PROFIsafe Sensors

SAFETY LIGHT CURTAINS

Dimensional drawings

Host and guest dimensions

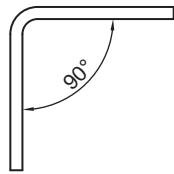
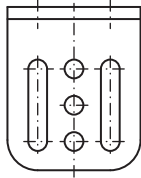
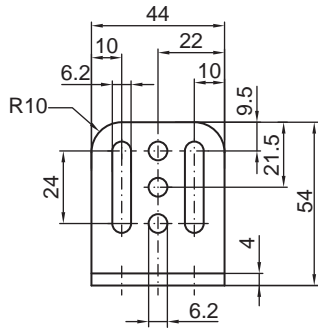


A = Protective field height according to ordering information
 B = A + 134 mm
 C = A + 84 mm

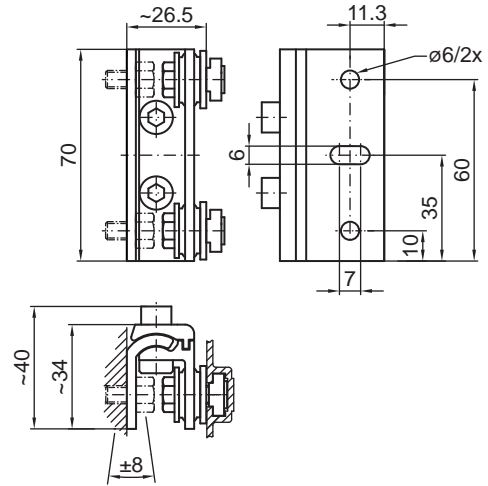
a = Receiver host and guest
 b = Transmitter host and guest

Dimensions in mm

Brackets



L-mounting bracket



Mounting bracket, swiveling with shock absorber, BT-SSD

SAFETY LIGHT CURTAINS

Accessories ordering information

Art. no.	Article	Description	Length, design
Installation accessories			
560300	BT-SSD	Swiveling support with shock absorber incl. 2 screws and 2 sliding blocks	
560120	BT-S	Mounting set consisting of 2 L-type brackets incl. 2 screws	
425720	BT-NC	Sliding block	
Laser Alignment Aids, see COMPACTplus-m ordering information, page 102			
SafetyKey			
520070	AC-SK1	SafetyKey for teaching in	
Test rods			
430430	AC-TRSET2	Test rod set 14/19/24/29/33 mm	
430432	AC-TRSET3	Test rod set 14/30/38 mm	
Parameterization software, see COMPACTplus-m ordering information, page 102			
COMPACTplus – Accessories for local and machine interfaces			
150704	CB-M12-3000-8WM	Connecting cable for local interface with M12 x 8 plug	3 m, angled
150699	CB-M12-10000-8WM	Connecting cable for local interface with M12 x 8 plug	10 m, angled
150677	CB-M12-10000-5WM	Connecting cable for T1 Transmitter M12 x 5 plug, connection on receiver with sensor connection field	10 m, angled
426046	AC-LDH-12GF	Hirschmann cable socket, encoded for CP/T2 & R2, 12-pin, incl. crimp contacts	Straight
426045	AC-LDH-12WF	Hirschmann cable socket, encoded for CP/T2 & R2, 12-pin, incl. crimp contacts	Angled
426042	CB-LDH-10000-12GF	Connecting cable, machine interface /T2, /R2, Hirschmann cable socket	10 m, straight
426044	CB-LDH-25000-12GF	Connecting cable, machine interface /T2, /R2, Hirschmann cable socket	25 m, straight
426043	CB-LDH-50000-12GF	Connecting cable, machine interface /T2, /R2, Hirschmann cable socket	50 m, straight
Protective screens, see accessories, page 494			

Accessories ordering information

Art. no.	Article	Description	Length, design
Connection cables, 5-pin for COMPACTplus/T4 transmitter			
429071	CB-M12-5000S-5GF	Connecting cable shielded with M12 coupling, 5-pin	5 m, straight/open end
429072	CB-M12-5000S-5WF	Connecting cable shielded with M12 coupling, 5-pin	5 m, angled/open end
429073	CB-M12-10000S-5GF	Connecting cable shielded with M12 coupling, 5-pin	10 m, straight/open end
429074	CB-M12-10000S-5WF	Connecting cable shielded with M12 coupling, 5-pin	10 m, angled/open end
429075	CB-M12-15000S-5GF	Connecting cable shielded with M12 coupling, 5-pin	15 m, straight/open end
429076	CB-M12-15000S-5WF	Connecting cable shielded with M12 coupling, 5-pin	15 m, angled/open end
429171	CB-M12-25000S-5GF	Connecting cable shielded with M12 coupling, 5-pin	25 m, straight/open end
429172	CB-M12-25000S-5WF	Connecting cable shielded with M12 coupling, 5-pin	25 m, angled/open end
Connection cables, 8-pin for COMPACTplus/T4 receiver			
429081	CB-M12-5000S-8GF	Connecting cable shielded with M12 coupling, 8-pin	5 m, straight/open end
429082	CB-M12-5000S-8WF	Connecting cable shielded with M12 coupling, 8-pin	5 m, angled/open end
429083	CB-M12-10000S-8GF	Connecting cable shielded with M12 coupling, 8-pin	10 m, straight/open end
429084	CB-M12-10000S-8WF	Connecting cable shielded with M12 coupling, 8-pin	10 m, angled/open end
429085	CB-M12-15000S-8GF	Connecting cable shielded with M12 coupling, 8-pin	15 m, straight/open end
429086	CB-M12-15000S-8WF	Connecting cable shielded with M12 coupling, 8-pin	15 m, angled/open end
429181	CB-M12-25000S-8GF	Connecting cable shielded with M12 coupling, 8-pin	25 m, straight/open end
429182	CB-M12-25000S-8WF	Connecting cable shielded with M12 coupling, 8-pin	25 m, angled/open end