Safety light curtain

SLC30-600/129/151





Model Number

SLC30-600/129/151

with 2 separate fail-safe semiconductor outputs

Features

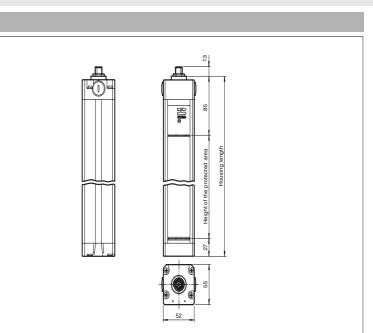
- ٠ Sensing range up to 15 m
- Resolution 30 mm (hand protection) ٠
- Self-monitoring (type 4 according to IEC/EN 61496-1)
- Master/Slave detection, Plug and • Play
- Protection degree IP67 ٠
- Integrated function display ٠
- Pre-fault indication
- Connection via appliance socket • M12 x b1
- Safety outputs OSSD in potential-se-٠ parated semiconductor version
- Protective field height up to 1800 mm ٠
- Start/Restart disable preset by Opti-• on /129

Accessories

PG SLC-600 Protective glass panes for SLC series

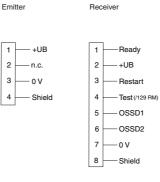
BA SLC

laser alignment aid for safety light cutrtains series SLC



Electrical connection

Dimensions



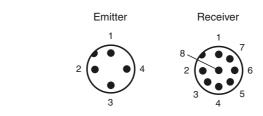
Pinout

1

2

з

4



www.pepperl-fuchs.com

USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com Germany: +49 621 776-4411 fa-info@pepperl-fuchs.com

Copyright Pepperl+Fuchs Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com



1

SLC30-600/129/151

General specificationsGeneral specificationsLipit soundPLCD in stands spinLipit soundPLCD in stands spinLipit soundECCEN 1919Licit standsSpecifications <th c<="" th=""><th>Technical data</th><th></th></th>	<th>Technical data</th> <th></th>	Technical data	
	•		
µmb modular dimanel ignt Approvale TOV, (4U.os Testis IECEN 1496 Starty type according to IECEN 5490 4 Marking CE Marking CE Marking CE Marking CS Marking in cold S0 Protection Half height S0 Angle of divergence S ⁻¹ Protection Half height S0 mm Angle of divergence S ⁻¹ Protection Half height S0 mm Angle of divergence S ⁻¹ Protection Half height No Angle of divergence S ⁻¹ Protection Half height No Angle of divergence S ⁻¹ Protection Half height No Angle of divergence S ⁻¹ Protection Half height No Angle of divergence S ⁻¹ Protection Half height No Marking Mark	° °		
opportedTU/CulusTestesFUC/EN 1910Safety type according to EUC/EN 1910FUC/EN 1910Safety type according to EUC/EN 1910FUC/EN 1910MarkingGEForecind self toplacted areaGEDetecting tell forgetGESafety theory (Fuc/EN 1910)SummaOperating modeGESafety theory (Fuc/EN 1910)SummaSafety theory (Fuc/EN 1910)SummaPerformance seed (Fu)Cut 4ChargenCut 4Massin Time (Fu)Cut 4Safety theory (Fuc/EN 1910)SummaTesterSummaPartice Safety (Fuc/EN 1910)SummaSafety Safety (Fuc/EN 1910)SummaSafety Safety (Fuc/EN 1910)SummaTesterSafety Safety (Fuc/EN 1910)TesterSafety Safety (Fuc/EN 1910)Partice Safety (Fuc/EN 1910)Safety Safety (Fuc/EN 1910)Partice Safety (Fuc/EN 1910)Safety (Fuc/EN 19	•		
Tests HECKN 1496 Marking E Marking CE Witch of protection likel height 00 mm Number of beams 32 Operating mode Ca bealended with or without start/restart disable Operating mode 30 mm Angle of divergence S ² Functional staft y related parameters Sum Staft y integrity Level (SL) SL 3 Performances brength Op a Departing display Passent display in emitter Departing display			
Sative by a coording to IECOR 191494MakingCEWitch of protected area0.215 mProtection ket by formation and the selected with or without start/restart disableNumber of beams32Operating modecan be selected with or without start/restart disableOperating modecan be selected with or without start/restart disableCategoryCat.4Performace level (PL)PL aOperating discleyCat.4Mission Thre (Ty)20 aOperating discleyFargement display in envirenceInterderoformationPargement display in envirenceInterderoformationPargement display in envirenceInterderoformationPargement display in envirenceInterderoformationNon the start/restart disable, transmission codingInterderoformationUp any lock displayInterderoformationUp any lock displayInter			
Markang'CEPlanter of Decay00 rmProtection hish height00 rmWithol of protector ana0 2 2 15 mOperating modeas bealeded with or without start/restart disableOperating mode30 rmAngle of divergence5 °Staffy Integrity Lovel (SL)SL 3Performance Irevel and startmentsStaffy Integrity Lovel (SL)SL 3Performance Irevel (PL)PL 6CatagoryCat. 4Masson Time (PL)SD 6 8Prify3D 5 8Operating display7-segment display in metterDiagonatics display7-segment display in metterDiagonatics display7-segment display in metterDiagonatics display7-segment display in metterDiagonatics display7-segment display in receiverEnciton display8-start/seat disable, transmission codingEle yearner (SD 00 multerEle yearnerDiagonatics display9Viet (SD 05 V/2 5 %)Ne-load gauge) current9Viet (SD 05 V/2 5 %)Ne-load gauge) current9Start/seat disable, transmission codingEle yearner10 m Areadewer: ≤ 150 mAProtection classon10 mProtection classon9Start disable20 mode for transmission codingEle yearner10 m Areadewer: ≤ 150 mAProtection classon10 m Areadewer: ≤ 150 mAProtection classon9Start disable remonation conputsStart disable remonation conputs <t< td=""><td></td><td></td></t<>			
Web of protected area0.2 Is mNumber of beams600 mmNumber of beams600 mmOperating modecan be seleded with or without start/restart disableOperating mode< 5 °			
production field height 900 mm Number of beams 32 Operating mode 50 mm Operating mode 30 mm Angle of divergence <	-		
Number of beams32Operating modecan be selected with or without start/restart disableOptical resolution30 mmAngle of divergence<5 °	•		
operateone selected with or without start/restart disableAngle of dwagence30 mmAngle of dwagence5 ° -Pertortand a stert/restart parameterStartSafety intragrink Level (SU)EL 3Performance Newl (Pu)EL 3Performance Newl (Pu)Sta 6Operating of dwagence20.0Performance Newl (Pu)Sta E-0Newl (Pu)30 E-0Performance Newl (Pu)30 E-0Performance Newl (Pu)30 E-0Performance Newl (Pu)Sta E-0Dynafting display-Operating display-Performance Newl (Pu)Sta E-0Dynafting display-Performance Newl (Pu)-Performance Newl (Pu)-Dynafting display-Performance Newl (Pu)-Performance Newl (Pu)- <td>Protection field height</td> <td>600 mm</td>	Protection field height	600 mm	
optical instantion00 mmAngle of divergence<5 °	Number of beams	32	
Angle divergence < 5 °	Operating mode	can be selected with or without start/restart disable	
Functional safety related preamers by the set of	Optical resolution	30 mm	
Safety (Integring) Level (SIL)SIL 3Parformance (Verel (PL)PL aCatagonyCata 4Mission Time (Tw)20 aPFH,135 F-8Type4Indicators/operating means-Contrain display7-argment display in mitterDeparating display7-argment display in neceiverFunction display7-argment display in neceiverFunction display1-argeoles:Deparating display7-argment display in neceiverFunction display1-argeoles:Deparating display20 aPerf-aut indication:Note SSD on LED preno: OSD on LED preno: Protocole and the start-readyControlswitch for start/restart disable, transmission codingControlswitch for start/restart disable, transmission codingControlswitch for start/restart disable, transmission codingEdertical specificationsIIITopaction clossIIITopaction clossIIIInter: S 100 mA receiver: ≤ 150 mAProtocion clossIIIStafty outputapparatic disable semiconductor outputsSignal outputstart releaseOutputstart releaseStafty output2 separated fail all semiconductor outputsSignal output1 NPN max. 100 m A/or start relationsSwitching voltage0-perating voltage - 2VSwitching voltage0-perating voltage - 2VSwitching voltage0-perating voltage - 2VSwitching voltage0-perating voltage - 2VSwitching voltage	Angle of divergence	< 5 °	
Safety (Indegrift) (wei) (SIL 3)Parformance (Wei) (PL)PL eCatagony (N)20 aPFHq.305 F-8PFHq305 F-8Type4Indicators/operating means-Company disalighty7-segment display in entiterDepanying disalighty7-segment display in enciverFunction display7-segment display in enciverFunction display1-recoverFunction display1-recoverFunction display1-recoverFunction display1-recoverControlswitch for start/restart disale, transmission codingElectrical specificationsUIOperating voltageUiOperating voltageUiOperating voltageUiProtection display4 V DC (x30 %/x25 %)Na-lead supply currentuiInter : 100 mA receiver: ≤ 150 mAActivation turrentapprox. 10 mAActivation turrentapprating voltageVisite y currentapprating voltageVisite y current <t< td=""><td>Functional safety related parameters</td><td></td></t<>	Functional safety related parameters		
Performance level (PL) PL e Catagopy Cat. 4 Massion Time (Tyn) 20 a PFHq 135 E B Type 4 Indicators/operating means Formation (September 1) Operating display 7 segment display in exciver Function display 7 segment display in exciver: LED greatworks Function display 1 recover: LED greatworks EdD profile 250 off LED greatworks EdD profile 250 off LED greatworks Controls witch for start/restart disable, transmission coding Profection class li Control start restart disable, transmission coding Profection class li Start restart start restart disable manomulator outputs Start restart <td< td=""><td></td><td>SIL 3</td></td<>		SIL 3	
Category Cat.4 Mission Time (T _µ) 20 a PFH ₄ 135 E-8 Type 4 Operating display 7 segment display in emilter Operating display 7 segment display in emilter Disportedits display 7 segment display in emilter Function display 7 segment display in emilter Function display 1.2 B greet. CSS D on LED greet. CSS D on LED greet. CSS D on LED greet. CSS D on LED greet. SSS D on LED greet. SSS D on LED greet. Operating voltage Up 24 V DC (-30 % -25 %) No-load supply current Up Emilter. Operating voltage Up Start reset reset Activation current approx.10 mA receiver: < 150 mA			
Mission True (T _M) 20 a PFH ₄ 26 B Type 4 Operating display 7 segment display in exciver Diagnotics display 7 segment display in exciver Function display 1 recover Function display 1 recover Function display 1 recover Function display 1 recover Pristaut Indication 1 to conscion Electrical specifications Electrical specifications Electrical specification current 6 admoto conscient (stati) Achivation current 6 admoto conscient (stati) Achivation current 0.03. 1 s Achivation current 0.03 n is Statip voltage 0 perating voltage voltage Statip voltage 0 perating voltage voltage voltage voltage voltage voltage Statip voltage 0 perating voltage voltage voltage Statip voltage 0 perating voltage voltage voltage voltage voltage Statip voltage 0 perating voltage volt			
Prive vs. 100 model and a second seco			
Type 4 Indicator/soperating genest			
Indicators/operating means ✓ Seegment display in mediave Operating display ✓ Seegment display in mediave Bagnosites display ✓ Seegment display in mediave Function display LED predix OSSD of LED grein: OSSD of Portating voltage Order Entitler: ≤ 100 mA receiver: ≤ 150 mA Protection class III Activation inter 0.33. 1 s Activation inter 0.33. 1 s Test input Reset-Input for start readiness Output 2 separated fail alial see seiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Switching voltage 0	-		
Operating display 7 segment display in receiver Diagnostics display 7 segment display in receiver Function display Is prevent display in receiver Function display Is prevent display in receiver Pre-fault Indication LED green: OSSD on LED yolew. Protected area free, system start-ready Electrical specifications Electrical specifications witch for start/restart disable, transmission coding Electrical specifications III Protection class III Activation turne 0 partities: 100 mA receiver: 150 mA Protection class III Activation turne 0 partities: 100 mA receiver: 150 mA Activation turnet 0 partities: 100 mA receiver: 150 mA Activation turnet 0 partities: 100 mA receiver: 150 mA Function input Start release Output Reservet function: system test (not for option /129) Function input Start release Output 2 separated fail safe semiconductor outputs Signal output 1 PMP, max. 100 mA for start readiness Switching voltage 0 poerating voltage -2 V Switching voltage 0 poerating voltage -2 V </td <td></td> <td>T</td>		T	
Diagonsics display 7-segment display in receiver Function display In receiver Function display In receiver Function display In receiver Per-fault indication LED ord: OSSD on LED yellow: Protected area free, system start-ready Octorial switch for start/restart disable, transmission coding Electrical specifications witch for start/restart disable, transmission coding Electrical specifications miter st 100 mA receiver: s 150 mA Protection class III Activation current approx. 10 mA Activation fume 0.03 1 s Test input Reset-input for system test (not for option /129) Function input Start readiness Signal output 2 separated fail safe semiconductor outputs Signal output 1 PNF max. 100 mA for start readiness Switching voltage Q Solted youtput 2 separated fail safe semiconductor outputs Signal output 1 PNF max. 100 mA for start readiness Switching voltage Q Solted specifications	· · ·		
Function display in receiver: LED green: OSSD on LED yellow: Protocicle area free, system start-ready Pre-fault indication LED orange Controls switch for start/restart disable, transmission coding Electrical specifications Electrical specifications Operating voltage Up Entities: \$100 mA receiver: \$150 mA Protection class III Input Entities: \$100 mA receiver: \$150 mA Activation current approx. 10 mA Activation time 0.03 1 s Test input Reseiver: \$150 mA Function input Start release Output Start release Output 2 separated fail safe semiconductor outputs Signal output 1 PNF; max. 100 mA for start readiness Signal output 1 PNF; max. 100 mA for start readiness Signal output 1 PNF; max. 100 mA for start readiness Signal output 1 PNF; max. 100 mA for start readiness Signal output 1 PNF; max. 100 mA for start readiness Signal output 1 PNF; max. 100 mA for start readiness Signal output 1 N max. 0.5 A Response time 0			
LED red: OSSD of LED yellow: Protocted area free, system start-ready Pre-fault indication LED yellow: Protocted area free, system start-ready Controls switch for start/restart disable, transmission coding Electrical specifications U > DC (-30 %/+25 %) Ne-load supply current b Emitter: \$ 100 mA receiver: \$ 150 mA Protection class III Image: Start release Input Activation turrent approx. 10 mA Activation input 0.03 1 s Start release Function input Start release Comption / 129) Function input 2 separated fail safe semiconductor outputs Signal output Signal output 1 PNP, max. 100 mA for start readiness Switching current Switching current max. 0.5 A Switching current Response time 14 ms Switching current Ambient temperature -2.570 °C (32131 °F) Switching current Solrage Emperature -2.570 °C (13163 °F) Switching current Machiner Jourge/fications IF67 Switching current Protection degree IP67 Switching current <t< td=""><td></td><td></td></t<>			
LED green: CSSD on Evention in the interval indication LED orange Pre-fault indication Velow: Protected area free, system start-ready Controls switch for start/restart disable, transmission coding Electrical goodifications Velow: Protected area free, system start-ready Operating voltage Ug 24 V DC (30 %/425 %) No-lead supply ourrent Velow: Protected area free, system ission coding Protecton class III Input Start release Activation time 0.03 1 s Activation time Separated fail safe semiconductor outputs Function input Start release Output Separated fail safe semiconductor outputs Safely output 1 PNP, max. 100 mA for start readiness Switching ourrent nax. 0.5 A Response time 0 55 °C (22 131 °F) Response time 0 55 °C (22 131 °F) Response time 7 10 mm Protecton degree 1667 Storage temperature -25 °C (22 131 °F) Response 10 10 mm Protecton degree 100 mm Protecto	Function display		
LED velow: Protected area free, system start-ready Pre-fault indication LED orange Controls switch for start/restart disable, transmission coding Electrical specifications U Operating voltage U 2 4V DC (.30 %/-25 %) Protection class III Protection class III Protection class approx. 10 mA cachivation further Activation current approx. 10 mA Activation input Beset-input for system test (not for option /129) Function input Reset-input for system test (not for option /129) Function input 2 separated fail safe semiconductor outputs Signal output 1 separated fail safe semiconductor outputs Signal output 0 esparated fail safe semiconductor outputs Signal output 0 separated fail safe semiconductor outputs </td <td></td> <td></td>			
Pre-fault indication LED orange Controls switch for start/restart disable, transmission coding Electrical specifications Electrical specifications Operating voltage Ug 24 V DC (-30 %/-25 %) Neioad supply current Ig Emitter: ≤ 100 mA receiver: ≤ 150 mA Protection class II Input Controls Start Protection class Activation current approx. 10 mA Activation time 0.03 1 s Test input Reset-input for system test (not for option /129) Function input Start release Output Stafely output 2 separated fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Switching voltage Operating voltage - 2 V Switching voltage 0			
Controls switch for start/restart disable, transmission coding Electrical specifications U Operating voltage U 24 V DC (-30 %/-25 %) No-load supply current Ig Emitter: ≤ 100 mA receiver: ≤ 150 mA Protection class III III Activation current approx.10 mA Activation time Activation imput Reset-input for system test (not for option /129) Function input Start release Output Start release Systehing output 1 PNP, max. 100 mA for start readiness Systehing voltage Operating voltage - 2 V Switching voltage Operating voltage - 2 V Switching urent max. 0.5 A Ambient conditions Activation Ambient segreture -0	Pre-fault indication		
Electrical specifications Operating voltage Ug 24 V DC (-30 %/+25 %) No-load supply current Ig Emitter: ≤ 100 mA receiver: ≤ 150 mA Protection class III Imput Activation current approx. 10 mA Activation current approx. 10 mA Activation time 0.03 1 s Test input Reset-input for system test (not for option /129) Function input Start release Output Startey output 2 separated fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Switching voltage Operating voltage -2 V Switching voltage Operating voltage -2 V Switching voltage Operating voltage -2 V Ambient temperature 0		•	
Operating voltage UB 24 V DC (·30 %/+25 %) No-load supply current In Emitter: \$100 mA receiver: \$150 mA Protection class III Imput approx. 10 mA Activation current approx. 10 mA Activation time 0.03 1 s Test input Reset-input for system test (not for option /129) Function input Start release Output 2 separated fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Switching voltage Operating voltage - 2 V Switching current max. 0.5 A Response time 1 Mms Ambient conditions max. 95 %, not condensing Mechanical specifications max. 95 %, not condensing Housing length L 710 mm Protection degree IP67 Connecton Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material SiC30-600-T / 92 Reserver SiC30-600-T / 92 Reserver SiC30-600-T / 92 Reserver SiC30-600-T / 92 Reserver <td></td> <td>switch for start/restart disable, transmission coding</td>		switch for start/restart disable, transmission coding	
No-load supply ourrent Io Emitter: ≤ 100 mA receiver: ≤ 150 mA Protection class III Imput Activation current approx. 10 mA Activation time 0.03 1 s Test input Resel-input for system test (not for option /129) Function input Start release Output Start release Safely output 2 separated fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Switching voltage Operating voltage - 2 V Switching ourrent max. 0.5 A Response time 14 ms Ambient temperature 055 °C (32 131 °F) Storage temperature -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical specifications Ife7 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material Ife7 Connection degree Ife67 Connection degree Per 2100 g General Information SLC30-600-R / 129 / 151 Startup/restart disable preset System components Emitter: Emitter SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and direction SLC30-600-R / 129 / 151 Startup/restart disable preset			
Protection class III input			
Input Activation current approx. 10 mA Activation time 0.03 1 s Test input Resel-input for system test (not for option /129) Function input Start release Output Start release Safely output 2 separated fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Switching voltage Operating voltage -2 V Switching current max. 0.5 A Response time 14 ms Ambient temperature -25 70 °C (-13 158 °F) Storage temperature -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical Specifications - Housing length L 710 mm Protection degree IP67 Connection Emitter: M12 connector, 8-pin Material - Housing length L 710 mm Optical face Plasic pane Mas Per 2100 g General Information - System components - Emiter <			
Activation time approx. 10 mA Activation time 0.031 s Test input Reset-input for system test (not for option /129) Function input Start release Output 2 separated fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Switching voltage Operating voltage -2 V Switching current max. 05 A Response time 14 ms Ambient conditions Ambient conditions Relative humidity max. 95 °C (32 131 °F) Storage temperature 0 55 °C (32 131 °F) Relative humidity max. 95 %, not condensing Mechanical specifications Housing length L 710 mm Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material Mass Per 2100 g General information SLC30-600-T / 92 Receiver SLC30-600-T / 92 Receiver SLC30-600-T / 92 Receiver SL	Protection class	11	
Activation time 0.03 1 s Test input Reset-input for system test (not for option /129) Function input Start release Output 2 separated fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Switching outrage Operating voltage -2 V Switching outrage Operating voltage -2 V Ambient conditions max. 0.5 A Response time 1 55 °C (32 131 °F) Storage temperature 0 55 °C (32 131 °F) Storage temperature -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical specifications IPO 7 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material	Input		
Test input Reset-input for system test (not for option /129) Function input Stafety output Stafety output Safety output 2 separated fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Switching voltage Operating voltage - 2 V Switching outment max. 0.5 A Response time 14 ms Ambient conditions	Activation current	approx. 10 mA	
Function input Start release Output	Activation time	0.03 1 s	
Function input Start release Output	Test input	Reset-input for system test (not for option /129)	
Output Seafared fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Signal output 1 PNP, max. 100 mA for start readiness Switching voltage Operating voltage-2 V Switching voltage 0 perating voltage-2 V Switching voltage 0 perating voltage-2 V Memory max. 0.5 A Response time 0 tm S5 °C (32 131 °F) Storage temperature 0 55 °C (32 131 °F) Storage temperature 0 55 °C (32 131 °F) Relative humidity max. 95 %, not condensing Mechanical specifications methers Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material methers Volta face Piastic pane Again per 100 g General information SLC30-600-T / 92 Receiver SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and director SLC30-600-R / 129 / 151 Startup/restart disable preset Conpliance with standards an	-		
Safety output 2 separated fail safe semiconductor outputs Signal output 1 PNP, max. 100 mA for start readiness Switching voltage Operating voltage -2 V Switching current max. 0.5 A Response time 14 ms Ambient conditions -25 70 °C (-13 138 °F) Relative humidity max. 95 %, not condensing Mechanical specifications -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical specifications -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical specifications -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical specifications -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical specifications -25 70 °C (-13 158 °F) Housing length L 710 mm Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material			
Signal output 1 PNP, max. 100 mA for start readiness Switching voltage Operating voltage - 2 V Switching current max. 0.5 A Response time 14 ms Ambient conditions - Ambient temperature 0 55 °C (32 131 °F) Storage temperature -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical specifications - Housing length L 710 mm Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material - Housing extruded aluminum profile, RAL 1021 (yellow) coated Optical face Plastic pane Mass Per 2100 g General information SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives JLS0 13849-1:2008 EN 61496-1:2004/A1:2008	-	2 constrated fail acts comiconductor outputs	
Switching voltage Operating voltage -2 V Switching current max. 0.5 A Response time 14 ms Ambient conditions			
Switching current max. 0.5 Å Response time 14 ms Ambient conditions	5 i		
Response time 14 ms Ambient conditions	5 5		
Ambient conditions 0 55 °C (32 131 °F) Ambient temperature -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical specifications	e e e e e e e e e e e e e e e e e e e		
Ambient temperature 0 55 °C (32 131 °F) Storage temperature -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical specifications Housing length L 710 mm Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material Housing extruded aluminum profile, RAL 1021 (yellow) coated Optical face Plastic pane Mass Per 2100 g General information SLC30-600-T / 92 Emitter SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives LC30-600-R / 129 / 151 Startup/restart disable preset Directive conformity Kately - 1:2008 EN 61496-1:2004/A1:2008	Response time	14 ms	
Storage temperature -25 70 °C (-13 158 °F) Relative humidity max. 95 %, not condensing Mechanical specifications Forestions Housing length L 710 mm Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material - Housing extruded aluminum profile, RAL 1021 (yellow) coated Optical face Plastic pane Mass Per 2100 g General information SLC30-600-T / 92 Receiver SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives SLC30-600-R / 129 / 151 Startup/restart disable preset Directive conformity EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	Ambient conditions		
Relative humidity max. 95 %, not condensing Mechanical specifications Housing length L 710 mm Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material Housing extruded aluminum profile, RAL 1021 (yellow) coated Optical face Plastic pane Mass Per 2100 g General information SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives Vaccounce the standards and directives Directive conformity Kinsing 129 / 12008 EN 61496-1:2004/A1:2008	Ambient temperature	0 55 °C (32 131 °F)	
Mechanical specifications Housing length L 710 mm Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material Image: Massing and the standards and direction of the standards and directio	Storage temperature	-25 70 °C (-13 158 °F)	
Housing length L 710 mm Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material Housing extruded aluminum profile, RAL 1021 (yellow) coated Optical face Plastic pane Mass Per 2100 g General information SLC30-600-T / 92 Receiver SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives SUC30-600-R / 129 / 151 Startup/restart disable preset Directive conformity SUC 30-600-R / 129 / 151 Startup/restart disable preset	Relative humidity	max. 95 %, not condensing	
Housing length L 710 mm Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material Image: Massing and Emitter: M12 connector, 8-pin Housing extruded aluminum profile, RAL 1021 (yellow) coated Optical face Plastic pane Mass Per 2100 g General information SLC30-600-T / 92 Receiver SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives SUC30-600-R / 129 / 151 Startup/restart disable preset Directive conformity Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	Mechanical specifications		
Protection degree IP67 Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material	-	710 mm	
Connection Emitter: M12 connector, 4-pin Receiver: M12 connector, 8-pin Material Housing extruded aluminum profile, RAL 1021 (yellow) coated Optical face Plastic pane Mass Per 2100 g General information System components Emitter SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives Used to the standards and directives Directive conformity Machinery Directive 2006/42/EC Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008			
Material extruded aluminum profile, RAL 1021 (yellow) coated Optical face Plastic pane Mass Per 2100 g General information System components Emitter SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives Jirective conformity Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	U U U U U U U U U U U U U U U U U U U		
Housing extruded aluminum profile, RAL 1021 (yellow) coated Optical face Plastic pane Mass Per 2100 g General information System components system components SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives SLC30-600-R / 129 / 151 Startup/restart disable preset Directive conformity SLC30-600-R / 129 / 151 Startup/restart disable preset			
Optical face Plastic pane Mass Per 2100 g General information System components System components SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives Directive conformity Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008		outruded eluminum profile DAL 1001 (velleus) conted	
Mass Per 2100 g General information System components System components Emitter Emitter SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives Directive conformity Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	-		
General information System components Emitter SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives Directive conformity Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	•		
System components SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Compliance with standards and directives SLC30-600-R / 129 / 151 Directive conformity SLC30-600-R / 129 / 151 Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008		Per 2100 g	
Emitter SLC30-600-T / 92 Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives ves Directive conformity Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	General information		
Receiver SLC30-600-R / 129 / 151 Startup/restart disable preset Compliance with standards and directives Startup/restart disable preset Directive conformity Startup/restart disable preset Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	System components		
Compliance with standards and directi- ves Directive conformity Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	Emitter	SLC30-600-T / 92	
Compliance with standards and directives Directive conformity Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	Receiver	SLC30-600-R / 129 / 151 Startup/restart disable preset	
Directive conformity Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	Compliance with standards and directi-		
Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008			
Machinery Directive 2006/42/EC EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008			
EMC Directive 2004/108/EC EN 61000-6-4:2007 + A1:2011 Standard conformity Standards IEC 61496-2:2006 EN 50178:1997 Approvals and certificates CE conformity CULus Listed CCC approval TÜV approval TÜV	-	EN ISO 13849-1:2008 EN 61496-1:2004/A1:2008	
Standard conformity IEC 61496-2:2006 EN 50178:1997 Approvals and certificates CE conformity CE conformity CE UL approval cULus Listed CCC approval Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approva TÜV approval TÜV	-	EN 61000-6-4-2007 + A1-2011	
Standards IEC 61496-2:2006 EN 50178:1997 Approvals and certificates CE conformity CE UL approval cULus Listed CCC approval Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approva TÜV approval TÜV			
Approvals and certificates CE conformity CE UL approval cULus Listed CCC approval Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approva TÜV approval TÜV	-	IEC 61/06 2:2006 EN 50178:1007	
Approvals and certificates CE conformity CE UL approval cULus Listed CCC approval Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approva TÜV approval TÜV		IEC 01490-2.2000 EN 001/0.199/	
CE conformity CE UL approval cULus Listed CCC approval Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approva TÜV approval TÜV			
UL approval cULus Listed CCC approval Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approva TÜV approval TÜV		CE	
CCC approval Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approva TÜV approval TÜV		cULus Listed	
TÜV approval TÜV	OL approval		
		Products with a maximum operating voltage of ≤36 V do not bear a CCC marking because they do not require approva	

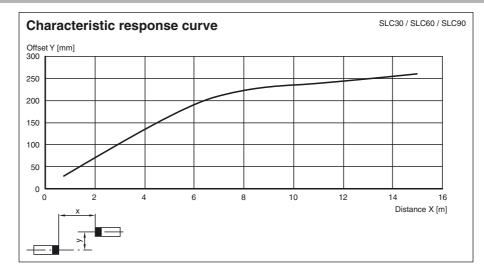
Pepperl+Fuchs Group USA: +1 330 486 0001 www.pepperl-fuchs.com fa-info@us.pepperl-fuchs.com

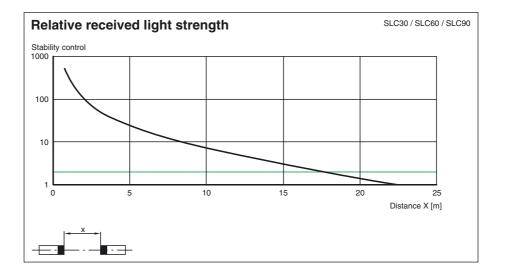
0001 Germany: +49 621 776-4411 chs.com fa-info@pepperl-fuchs.com

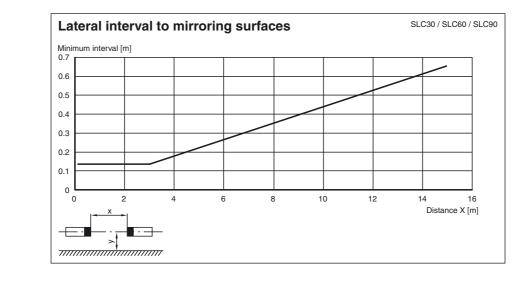
Copyright Pepperl+Fuchs Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com



Curves/Diagrams







Notes

Master slave mode



Master:	SLC (semiconductor)
	or
	SLC/31 (relay)
Slave:	SLCS

Using slaves makes it possible to lengthen protective fields or to form protective fields that lie in more than just one level. When you select slaves that can be connected, you should take into consideration that the maximum number of 96 light rays must not be exceeded.

There are slaves for transmitters and receivers. These may simply be connected to the master light curtain. As many as 2 slaves may be connected respectively to the transmitter and receiver unit.

Installation:

- 1 The end cap should be screwed off for the light curtain (without cable gland).
- 2 The plug-in jumper on the connectors of the printed circuit board, which is now visible, should be removed.
- 3 The slave is designed so that the cap located on the cable connector can be plugged directly onto the open end of the light curtain with the printed circuit board.
- 4 After you have screwed on the connection cap, the system is complete.

System accessories

- Mounting set SLC
- Test rods SLC14/SLC30/SLC60
- Protective glass pieces for SLC (to protect the optically functional surface)
- Lateral screwed connection SLC
- Profile alignment aid
- Laser alignment aid SLC
- Mirror for SLC (for securing hazardous areas on multiple sides)
- Ground pillar UC SLP/SLC
- Housing for pillar Enclosure UC SLP/SLC
- Collision protector Damping UC SLP/SLC

