

ELEKTRONIK

Compact safety controller PLSG...K





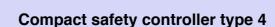


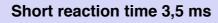
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Easy to program - no software needed



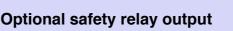
Contactor- or valve- control (EDM)



Cyclic control (PSDI) 1-4 cycle



Emergency-stop circuit monitoring





Muting, Blanking









E L E K T R O N I K

Application

- Monitoring of hydraulic and mechanical presses
- Monitoring of revolving-transfer tables
- Monitoring of press brakes
- Monitoring of special purpose machines
- Access safeguarding of automatic production lines
- Monitoring of an access to a manufacturing cells
- Monitoring of palletisers
- conveyor or storage techniques









- no software required
- only selecting of already existing safety logic arrays via hex switches
- shortest commissioning times
- fast replacement in case of error
- Savings of additional safety control unit for

Emergency-stop circuit, safety gate switches,

two hand control

or

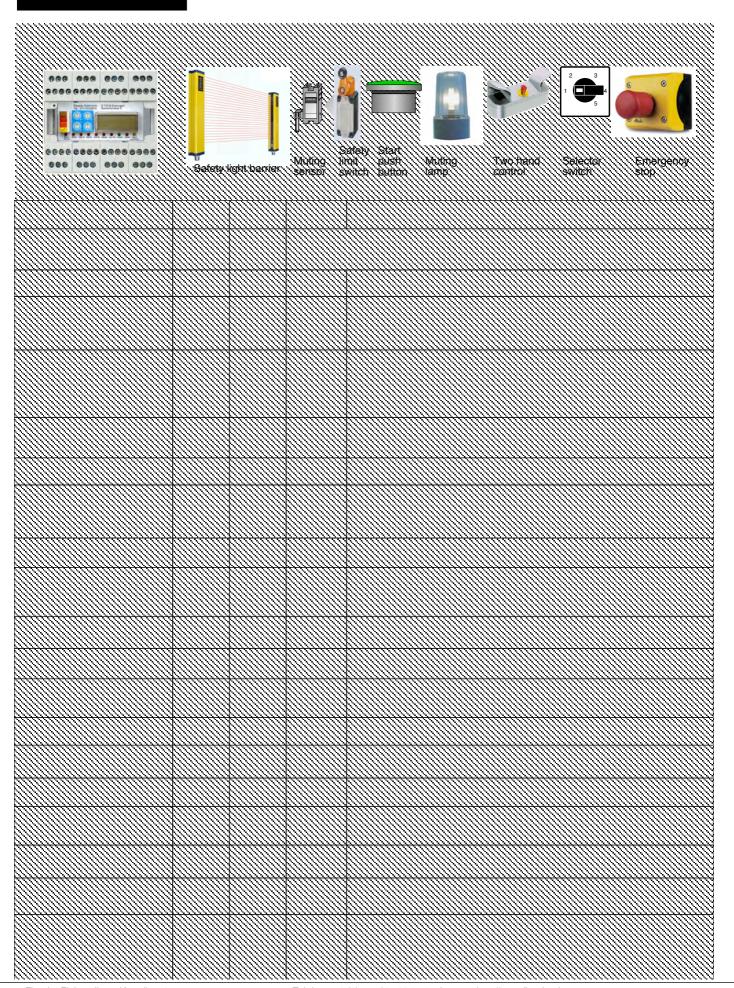
cyclic control

Technical data

Safety category	4 according EN 954-1 and EN 61496-1		
Protection type /	IP 40 housing, IP 20 terminals		
housing size	83,5mm x 90mm x 119mm (W x L x H) tophat rail mounting		
	, , , ,	<u> </u>	
Ambient operating	-10 to 55 °C		
temperature			
Supply voltage	24 V DC, ±20%,		
,			
Current consumption	Max. 250 mA		
	O academista		
Outputs	3 outputs OSSD1 and OSSD2: Fail-safe PNP outputs, max. 0.5 A, monitored for short-circuit and cross-connections OSSD3 (category 3 only with OSSD1 and OSSD2): 2-channel control, PNP output, max. 0.5 A		
Floatsiaal commention			
Electrical connection	Plug-in terminal strips		
Max. response time	After interruption of the light grid's protective field :	3.5 ms + XLVT response	
	After interruption of the emergency-stop circuit:	30 ms if both circuits open, or 63 ms if only one circuit	
		opens due to a defect	
	If OSSD 2 turn off delay is active:	0.5 s.	
Inputs 12 - 16 inputs depending on model			
puto	0V to 24 V DC +-20% / 10 mA, (at least 15 V to allow detection of high levels).		
Externe Mutinglampe	24V max. 0,5 A, min 50 mA		
Externe wutingiampe			
OptionR	8 outputs Potential-free, monitored, force-guided switching contacts: 2 x 1 normally closed, 2 x 2 normally open		
safety relays	and 2 x 2 normally open in series (1 normally open contact of each safety relay) max. 2 A / 250V AC or 60V DC,		
, ,	30W; if an inductive load is employed, connect spark quenching elements		
OptionS	9600 Baud, 8 Datenbit, 1 Startbit, 1 Stopbit		
RS 485 interface			



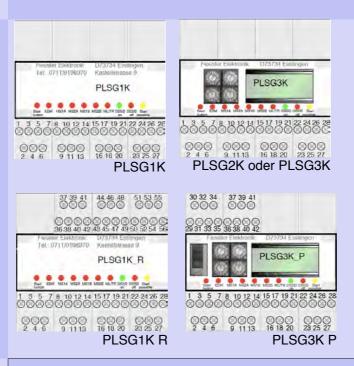
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Device overview (excamples)



order number

article description	article no (code)
PLSG 1K for mounting in switch cabinet (top hat rail)	PLSG1K
PLSG 1KR for mounting in switch cabinet (top hat rail), with 2 safety relais.	PLSG1KR
PLSG 2K for mounting in switching box (top hat rail), programmable, with display	PLSG2K
PLSG 2KR for mounting in switch cabinet (top hat rail), programmable, with display, with 2 safety relays	PLSG2KR
PLSG 2KP for mounting in switch cabinet (top hat rail), programmable, with display, teach in of beam blanking BLVT	PLSG2KP
PLSG 2KRS for mounting in switch cabinet (top hat rail), programmable, with display, with 2 safety relays, serial output of display via RS 485	PLSG2KRP
PLSG 2KRS for mounting in switch cabinet (top hat rail), programmable, with display, with 2 safety relays, serial output of display via RS 485	PLSG2KRS
PLSG 2KS for mounting in switch cabinet (top hat rail), programmable, with display, serial output of display via RS 485	PLSG2KS
Safety control PLSG 3K for mounting in switch cabinet (top hat rail), programmable, with display	PLSG3K
Safety control PLSG 3KR , for mounting in switch cabinet (top hat rail), programmable, with display, with 2 safety relays	PLSG3KR
Safety control PLSG 3KP programmable for mounting in switch cabinet (top hat rail mounting), teach in of beam blanking BLVT	PLSG3KP
Safety control PLSG 3KRP programmable for mounting in switch cabinet (top hat rail), with 2 safety relays, teach in of beam blanking BLVT	PLSG3KRP
Safety control PLSG 3KRS programmable for mounting in switch cabinet (top hat rail mounting), with 2 safety relays, serial output of display via RS 485	PLSG3KRS
Safety control PLSG 3KS mounting in switch cabinet (top hat rail), programmable, with display, serial output of display via RS 485	PLSG3KS