

Control Units

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Information

For further information, please see the Operating Instructions, ready for downloading from our website:

www.mayser-sicherheitstechnik.de.

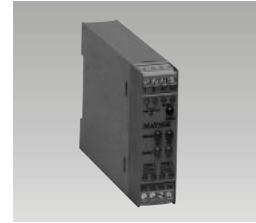
If so required, we would also be happy to send the Operating Instructions per e-mail (e-mail: info.ulm@mayser.de) or in hardcopy form (Tel.: +49 731 2061-0).

Overview



Designation	Safety Control Unit	Safety Control Unit	Safety Control Unit	Safety Control Unit
Typ	SG-EFS 104/4L	SG-EFS 104/2W	SG-EFS 1X4 ZK2/1	SG-EFS 1X4 ZK2/1 8k2
EN 954 category	3	3	3	3
Brief description	forceguided contacts int. contact monitoring	forceguided contacts int. contact monitoring	forceguided contacts int. contact monitoring	forceguided contacts int. contact monitoring
Input	1 monitoring circuit (2-channel)	1 monitoring circuit (2-channel)	1 monitoring circuit (2-channel)	1 monitoring circuit (2-channel)
Output	3 safety circuits	1 output circuit (1× NO contact per channel)	1 output circuit (1× NO contact per channel)	1 output circuit (1× NO contact per channel)
Additional functions	optionally with or without reset function	1 indicator contact (NC) 2 fault indicator contacts PNP optionally with or without reset function	1 fault indicator contact (NC) optionally with or without reset function	1 fault indicator contact (NC) optionally with or without reset function
Reaction time	< 30 ms	< 15 ms	< 10 ms	< 10 ms
Sensors suitable for connection	Safety Mats, Safety Edges and Safety Bumpers BK- type (4-wire technology)	Safety Mats, Safety Edges and Safety Bumpers with monitoring resistor 1k2 or 8k2	Safety Mats, Safety Edges and Safety Bumpers with monitoring resistor 1k2	Safety Mats, Safety Edges and Safety Bumpers with monitoring resistor 8k2
Type				
Housing	Housing 22.5 mm for mounting rail IEC 60715	Housing 22.5 mm for mounting rail IEC 60715	Housing 45 mm for mounting rail IEC 60715	Housing 45 mm for mounting rail IEC 60715
Degree of protection	IP20	IP20	IP20	IP20
Dimensions (W × H × D)	22.5 × 114.5 × 99 mm	22.5 × 114.5 × 99 mm	45 × 75 × 105 mm	45 × 75 × 105 mm
Supply voltage Connecting voltage U_s Power consumption P	SG-EFS 104/4L $U_s = 24\text{ V}/\sim$ $P = < 3\text{ W} / < 5\text{ VA}$	SG-EFS 104/2W $U_s = 24\text{ V}/\sim$ $P = < 3\text{ W} / < 4\text{ VA}$	SG-EFS 104 ZK2/1 $U_s = 24\text{ V}/\sim$ $P = < 3\text{ W} / < 5\text{ VA}$ SG-EFS 114 ZK2/1 $U_s = 115\text{ V}\sim$ $P = < 7\text{ VA}$ SG-EFS 134 ZK2/1 $U_s = 230\text{ V}\sim$ $P = < 7\text{ VA}$	SG-EFS 104 ZK2/1 8k2 $U_s = 24\text{ V}/\sim$ $P = < 3\text{ W} / < 5\text{ VA}$ SG-EFS 134 ZK2/1 8k2 $U_s = 230\text{ V}\sim$ $P = < 7\text{ VA}$
EC-design type test	yes	yes	yes	yes

Control Units



Safety Control Unit	Safety Control Unit	Control Unit	Control Unit	Control Unit
SG-SLE 04-0X1	SG-TRS 208/XXX	SG-RST 153	SG-RS 204	SG-RS 1X1
3	3	2	1	1
<p>forceguided contacts int. contact monitoring</p> <p>4 monitoring circuits (2-channel)</p> <p>1 output circuit (1× changer per channel, 1× changer for reverse travel)</p> <p>< 14 ms</p> <p>Safety Edges and Safety Bumpers with monitoring resistor 22k1</p> <p>Housing for wall mounting (04-0X1) with transparent cover or PCB (14-0X1)</p> <p>IP65 125 × 125 × 75 mm</p>	<p>forceguided contacts int. contact monitoring</p> <p>2 monitoring circuits (2-channel)</p> <p>2 output circuits (1× NO contact per channel)</p> <p>optional input for Safety Edges with monitoring resistor 8k2 or Safety Edge SL/NC</p> <p>< 20 ms</p> <p>Safety Mats, Safety Edges and Safety Bumpers with transponder technology</p> <p>Housing 45 mm for mounting rail IEC 60715</p> <p>IP20 45 × 75 × 105 mm</p>	<p>1 monitoring circuit</p> <p>1 output circuit (1× changer)</p> <p>monitoring of the safety function via ext. test signal</p> <p>< 5 ms</p> <p>Safety Mats, Safety Edges and Safety Bumpers with monitoring resistor 8k2</p> <p>Housing for wall mounting with transparent cover</p> <p>IP65 120 × 107 × 55 mm</p>	<p>2 monitoring circuits</p> <p>1 output circuit</p> <p>—</p> <p>Safety Mats, Safety Edges and Safety Bumpers with monitoring resistor 1k2</p> <p>Housing 22.5 mm for mounting rail IEC 60715</p> <p>IP20 22.5 × 75 × 105 mm</p>	<p>1 monitoring circuit</p> <p>1 output circuit (1× changer)</p> <p>8 ms</p> <p>Safety Mats, Safety Edges and Safety Bumpers with monitoring resistor 1k2</p> <p>Housing for mounting rail IEC 60715</p> <p>IP30 72 × 61 × 33 mm</p>
<p>SG-SLE 04-051 / 14-051 $U_s = 24 V=$ $P = < 3 W$</p> <p>SG-SLE 04-061 / 14-061 $U_s = 24 V\sim$ $P = < 5 VA$</p> <p>SG-SLE 04-041 / 14-041 $U_s = 115 V\sim$ $P = < 5 VA$</p> <p>SG-SLE 04-021 / 14-021 $U_s = 230 V\sim$ $P = < 5 VA$</p>	<p>SG-TRS 208/8k2 $U_s = 24 V=$ $P = < 5 W$</p>	<p>SG-RST 153 $U_s = 12 \text{ bis } 24 V=/\sim$ $P = < 1.5 W/VA$ oder $U_s = 230 V\sim$ $P = < 3 VA$</p>	<p>SG-RS 204 $U_s = 24 V=/\sim$ $P = < 2 W/VA$</p> <p>SG-RS 204 $U_s = 12 V=$ $P = < 2 W$</p> <p>SG-RS 204 invert $U_s = 24 V=/\sim$ $P = < 2 W/VA$</p> <p>SG-RS 204 invert $U_s = 12 V=$ $P = < 2 W$</p>	<p>SG-RS 101 $U_s = 24 V=/\sim$ $P = < 3 W/VA$</p> <p>SG-RS 131 $U_s = 230 V\sim$ $P = < 3 VA$</p>
yes	yes	yes	—	—

