



## Control units SG



EN | Overview

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<b>Type</b>	<b>SG-EFS 104/4L</b>	<b>SG-EFS 104/2W</b>	<b>SG-RS 309-2</b>	<b>RB3 system</b>
<b>Safety classification</b>				
ISO 13856: reset function	With/without	With/without	With/without	Category 2 PL d
ISO 13849-1:2015	Category 3 PL e	Category 3 PL d	Category 3 PL d	Category 2 PL d
MTTF <sub>D</sub>	73 a	257 a	937 a	50 a
DC <sub>avg</sub>	90%	60%	92%	91%
B <sub>10D</sub> [ × 10 <sup>6</sup> ]	0.4	1.8	–	20
<b>Times</b>				
Reaction time	< 30 ms	< 15 ms	< 15 ms	35 ms
Restart time	< 500 ms	< 50 ms	< 150 ms	5 ms
<b>Control unit inputs</b>				
Sensor types	SM, SL, MSL, SB	SM, SL, MSL, SB	SM, SL, MSL, SB	SM, SL, MSL, SB
Monitoring type	4-wire technology	1k2 or 8k2 monitoring resistor	8k2 or 10k monitoring resistor	8k2 monitoring resistor
Monitoring circuits	1	1	2	1
Other inputs				Test signal
<b>Control unit outputs</b>				
Switching channels	1× 3-channel	1× 2-channel	2× 2-channel	2× 2-channel
Switching current (min. / max.)	– / 5 A	– / 4 A	> 0 mA / 100 mA	– mA / 2 A
Switching capacity (max.)	1150 VA / 120 W	1000 VA / 96 W	3.6 W	120 VA / 24 W
Other outputs	1 signal circuit	1 signal circuit, 2 signal outputs	2 signal outputs	1 signal output
<b>Mechanical operating conditions</b>				
Mounting	IEC 60715 mounting rail	IEC 60715 mounting rail	IEC 60715 mounting rail	Wall mounting
IEC 60529: degree of protection	IP20	IP20	IP20	IP65
Operating temperature	–25 to +55 °C	–25 to +55 °C	–25 to +70 °C	–20 to +55 °C
Dimensions (W × H × D)	22.5 × 99 × 114.5 mm	22.5 × 99 × 114.5 mm	17.5 × 99 × 114.5 mm	82 × 190 × 40 mm 60 × 151 × 23 mm
<b>Variants</b>	<b>SG-EFS 104/4L</b>	<b>SG-EFS 104/2W</b>	<b>SG-RS 309-2</b>	<b>RB3 system</b>
Part number	1004128	1005196	1006747	1007228 + 1007229
Connecting voltage U <sub>s</sub>	24 V AC/DC	24 V AC/DC	24 to 36 V DC	12 to 24 V AC/DC
Power consumption P	< 7 VA / < 3 W	< 4 VA / < 3 W	< 1.5 W	< 0.3 VA / < 0.4 W