

Notice of Discontinuation

SS2-00VA000R2

Safety Analysis Module for Safety Through-Beam Sensor



EN

Notice of Discontinuation

Discontinued product: SS2-00VA000R2



Recommended successor product: SS2-00VA000R4

Discontinued as of: 30.04.2025

(The SS2-00VA000R2 safety analysis module can still be ordered as a spare part in accordance with the Machinery Directive)

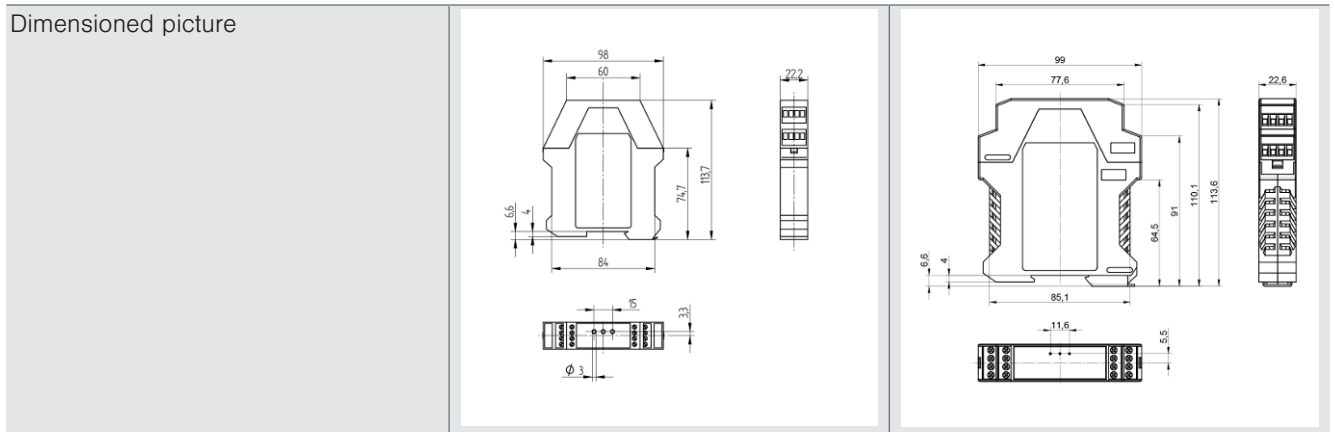
The safety analysis module SS2-00VA000R4 will be available from the beginning of May 2025.

Below you will find the detailed product comparison:

Technical data	Discontinued product SS2-00VA000R2	Successor product SS2-00VA000R4
Product image		
Safety category (EN ISO 13849-1)	2	2
Performance level (EN ISO 13849-1)	PL c	PL c
Safety integrity level (EN 61508)	SIL 1	SIL 1
PFHD	3.16 × E-7 1/h Probabilities of failure of the safety analysis module when using up to 4 pairs of safety through-beam sensors.	3.16 × E-7 1/h Probabilities of failure of the safety analysis module when using up to 4 pairs of safety through-beam sensors.
Mission time TM (EN ISO 13849-1)		20 years (or less if MTTFd < 20 years)
Supply voltage	24 V DC ± 20 % SELV (IEC 60204)/PELV (IEC 60950)	24 V DC ± 20 % PELV (EN 60204-1)
Power consumption	< 5 W	< 3 W
Safety outputs	2, normally open contacts (2 A; 250 V)	2, normally open contacts (2 A; 250 V)
Fuse protection	max. 4 A, slow-blow	max. 4 A, slow-blow
Response time	< 80 ms (incl. safety through-beam sensors)	< 80 ms (incl. safety through-beam sensors)
Switching current signal control	< 100 mA, PNP output	< 100 mA, PNP output
Voltage drop signal control	< 3 V, PNP output	< 3 V, PNP output
Contact monitoring input	positively driven NC contacts (20 mA; 24 V DC)	positively driven NC contacts (20 mA; 24 V DC)
Maximum switchover time	300 ms	300 ms
Minimum test time test input	40 ms	40 ms
Function types	Restart interlock or safety operating mode	Restart interlock or safety operating mode
LED indicators	Supply voltage - Channel status - Error	Supply voltage - channel status - error

Technical data	Discontinued product SS2-00VA000R2	Successor product SS2-00VA000R4
Connectable safety through-beam sensors	1-4 (with 1 static PNP safety output)	1-4 (with 1 static PNP safety output)
Mounting	Top hat rail 35 mm to EN 60715	Top hat rail 35 mm to EN 60715
Connection type	Screw terminals	Screw terminals (pluggable)
Clampable wire cross-section	0.14...2.5 mm ²	0.14...2.5 mm ²
Degree of protection	IP20	IP20
Temperature range	0...55 °C	-30...55 °C
Storage temperature		-30...70 °C
Weighting	150 g	150 g

Technical drawings/connection diagrams/approvals



Connection table

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PIN	Function	In/Out
1	24 V DC	
2	0 V DC	
3	PE (Ground)	
4	Acknowledgement Input	In
5	Restart Inhibit	In
6	Test Input	In
7	S1 NO Contact	In
8	S2 NO Contact	In
9	S1 Test	Out
10	S2 Test	Out
11	Contacting Monitoring	In
12	Signal Control	Out
13	OSSD B Contact 1	Out
14	OSSD B Contact 2	Out
15	OSSD A Contact 1	Out
16	OSSD A Contact 2	Out

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6	Test Input	In
7	S1 NO Contact	In
8	S2 NO Contact	In
9	S1 Test	Out
10	S2 Test	Out
11	Contacting Monitoring	In
12	Signal Control	Out
13	OSSD B Contact 1	Out
14	OSSD B Contact 2	Out
15	OSSD A Contact 1	Out
16	OSSD A Contact 2	Out

Approvals

