

TYPE CERTIFICATE



Czech

Registration number 12.267.122, Revision No. 1

issued for the manufacturer:

CROSS Zlín, a.s.
Hasičská 397
CZ - 763 02 Zlín - Louky
Company Registration No.: 60715286

for the product:

Name: **Controller of the light signalling device SSZ**
Type designation: **RS4, RS 4S**
Place of the production: **CROSS Zlín, a.s.**
Hasičská 397, CZ - 763 02 Zlín - Louky

at which the certification has been conducted pursuant to certification scheme SCH3 – based on ISO/IEC 17067, scheme 3 and in accordance with TÜV SÜD Czech certification system. The results are stated in the Evaluation reports file No. 12.277.996 from 19.07.2019 and 13.136.981 from 20.05.2020.

The product type mentioned above fulfils the applicable requirements of the following regulations/standards which were the basis for its evaluation:

ČSN 36 5601-1:1997+Z1:01+Z2:02, ČSN EN 50556 ed.2:2019
(idt EN 50556:2018), ČSN EN 50293 ed. 2:2013 (idt. EN 50293:2012),
ČSN EN 12675:2018 (idt. EN 12675:2017), DIN V VDE V 0832-500:2008,
ČSN EN 61508-1 ed.2:2011 (idt. EN 61508-1:2010), ČSN EN 61508-2
ed. 2:2011 (idt. EN 61508-2:2010), ČSN EN 61508-3 ed.2:2011
(idt. EN 61508-3:2010), ČSN EN 61508-6 ed.2:2011 (idt. EN 61508-6:2010).

This certificate is valid till: **14.08.2024**

Details and validity conditions are stated in the annex which forms an integral part of this Certificate and contains 2 pages.

This certificate is issued on the basis of voluntary certification, and it does not substitute outputs of the authorized or notified body.

Prague, 25.02.2020



Head of the certification body

1. The product specimen was entered for evaluation and type certification on 11.06.2019.
2. The Certificate was issued on the basis of the documents provided by the client:
 - Confirmed offer No. TL01 / 2019 / CR of 03.06.2019
 - Application for certification from 20.05.2019
 - Technical and accompanying technical documentation
3. The assessment of factory production control was performed at the product manufacturer concentrating on elements ensuring the continuation of product conformity with certification requirements.
4. Detailed technical data characterizing the product type:

Name:	Controller of the light signaling device SSZ	
Type:	RS4S	RS4
Power supply:	230 V AC/, -13 % up to +10 %	
Frequency:	50 Hz	
Controller circuits power consumption:	max. 300 W	
Output circuit voltage:	230 V AC/ 50 Hz, -13 % up to +10 %, dimming 40 V AC/ 50 Hz, -13 % up to +10 % 42 V/31 V AC/50 Hz; -13 % up to +10 %, dimming 10 V AC/50 Hz; -13 % up to +10 % 24 V DC; -13 % up to +10 % Ultra Low Power (RS4S)	
Maximum power rating:	3,6 kW max.	
Number of signal groups:	max. 64	max. 64
Number of output circuits:	max. 192	max. 288
Number of usable external inputs:	max. 200	max. 248
Ingress protection:	IP54	
IK-Code:	IK07	
Safety integrity level:	SIL3	
Classification classes in accordance with EN 12675:2017:	AA0, AA1, AB0, AB1, AC0, AD0, AD1, AE0, AE1, AF0, AF1, AG0, AG1, AH0, AH1, AJ0, AJ1, BA0, BA1, BB0, BB1, BC0, BC1, BD0, BD1, BE0, BE1, CA0, CA1, CB0, CB1, CC0, CC1, CD0, CD1, CE0, CE1, DA0, DA1, FA0, FA1, FB0, FB1, FC0, FC1, FD0, FD1, FE0, FE1, GA0, GA1, GB0, GB1, GC0, GC1, HA0, HA1	
Classification classes in accordance with EN 50556:2011:	D0, D1, T1, T2, V1, V2, H0, H1, AF1, AF5, AG1, AG2, AG3, AG4, AG5, AG7, X1, X2, N0, N2, AA1, Y1, Y2, AB0, AB1, AB2, AB3, AE1, AE2, AE3, AE4, AK1, AK2, AH0, AH1, AM1, AM2, AL1, AL2	



5. List of important parts of the technical documentation:

- Is stated in the Evaluation report file No. 12.277.996 from 19.07.2019 and 13.136.981 from 20.05.2020.

6. Validity Conditions

- The certificate shall apply only to its holder and products and production places mentioned therein.
- The transfer of the certificate by its owner to third parties is inadmissible as well as the use of certificate by third parties.
- TÜV SÜD Czech shall be notified forthwith of any product modifications compared to the certified specimen. This fact may cause the certificate continuation dependent on an additional conformity evaluation.
- TÜV SÜD Czech shall supervise the proper functioning of the Quality System at the manufacturer within a once a year period on the basis of a concluded contract about the controlling activity.
- The certificate can be renewed on request.
- The certificate shall only be reproduced complete including all the annexes.
- The right to use TÜV SÜD Czech certification mark was not established to the certificate.
- The certificate holder commits to keep records of all the relevant complaints concerning the conformity of the products with the requirements of regulations and standards and make those records available to the certification body TÜV SÜD Czech.
- Not specified items (advertising, use of certification mark and certificates) are governed by the General Conditions for Product Certification, as amended.

This certificate is a revision No. 1 of the certificate No. 12.267.122, issued 14.08.2019.



