



# Certificate of Compliance

Certificate: 1044282

Master Contract: 180133

Project: 80080209

Date Issued: 2021-05-17

Issued To: steute Technologies GmbH & Co. KG  
Brueckenstrasse 91  
Loehne, North Rhine-Westphalia, 32584  
Germany

Attention: Dennis Rohlfing

*The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.*

Issued by: *Franklin ten Haaf*  
Franklin ten Haaf



## **PRODUCTS**

CLASS - C321103 - INDUSTRIAL CONTROL EQUIPMENT Motor Controllers - Auxiliary Devices  
CLASS - C321183 - INDUSTRIAL CONTROL EQUIPMENT-Motor Controllers Auxiliary Devices-  
Certified to U.S. Standards

## **SECTION 1**

- Foot Operated Switches, Type GF, may be followed by S, M, SM, may be followed by 2, followed by 1Ö, 2Ö, 1ÖS, 2ÖS, 1ÖSD1ÖS, 1SD1Ö or 2SD2Ö may be followed by VD or RE, may be followed by 1S, 2S, 1ÖS, 2ÖS, 1ÖSD1ÖS, 1SD1Ö or 2SD2Ö may be followed by VD or RE.

Type	Suffix	Rating		
GF/GFS	1Ö/1S	300 Vac/10 A GP	A300/P300	A300/P150 (#)
GF/GFS	1Ö/1SRE	300 Vac/10 A GP	A300/P300	A300/P150 (#)
GF/GFS	2Ö/2S	300 Vac/6 A GP	A300/P300	A300/P150 (#)



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GF/GFS	1Ö/1S or 2Ö/2S	300 Vac/10 A GP	A300/P300	A300/P150 (#)
GF/GFS	1ÖSD1ÖS	300 Vac/10 A GP	A300/P300	A300/P150 (#)
GFS	1ÖSD1ÖVD	300 Vac/10 A GP	A300/P300	A300/P150 (#)
GFS	2ÖSD2ÖVD	300 Vac/10 A GP	A300/P300	A300/P150 (#)
GF2/GFS2	1ÖS/1ÖS	300 Vac/10 A GP	A300/P300	A300/P150 (#)
GF2/GFS2	2ÖS/2ÖS	300 Vac/6 A GP	A300/P300	A300/P150 (#)
GFM2/GFSM2	1ÖS/1ÖS or 2ÖS/2ÖS	300 Vac/6 A GP	A300/P300	A300/P150 (#)
GF2/GFS2	1ÖSD1ÖS/1ÖSD1ÖS	300 Vac/10 A GP	A300/P300	A300/P150 (#)
GF2/GFS2	1ÖSD1ÖS/1ÖSD1ÖSVD	300 Vac/10 A GP	A300/P300	A300/P150 (#)
GFS2	1SD1Ö VD/1SD1ÖVD	300 Vac/10 A GP	A300/P300	A300/P150 (#)
GFS2	2SD2Ö VD/2SD2ÖVD	300 Vac/10 A GP	A300/P300	A300/P150 (#)
Provided with switch element ZS 232, see #.				
GFS2	IK2SD2ÖVD/IK2SD2ÖVD	250Vac/10 A GP	A300/Q150	
GFS	IK 2SD2Ö VD	250Vac/10 A GP	A300/Q150	

- Foot Operated Switches, Type KF, may be followed by 2, may be followed by S; followed by 1S, 1W, 1PW, 2S or 1SD1S; may be followed by /; may be followed by 1S, 1W, 1PW, 2S or 1SD1S; Type KF4, followed by 1PW/1PW/1PW/1PW.

<u>Type</u>	<u>Suffix</u>	<u>Rating</u>	
KF/KFS	1S	250 Vac, 2 A, 40 VA	GP
KF/KFS	1W	230 Vac, 1.5 A, 40 VA	GP
KF/KFS	1PW	250 Vac, 5 A	GP
KF/KFS	2S	230 Vac, 2 A, 40 VA	GP
KF/KFS	1S/1S	200 Vac, 2 A, 40 VA	GP
KF 2	1S/1S	250 Vac, 2 A, 40 VA	GP
KF 2	1W/1W	230 Vac, 2 A, 40 VA	GP
KF 2	1PW/1PW	250 Vac, 5 A	GP
KF 2	2S/2S	230 Vac, 2 A, 40 VA	GP
KF 2	1SD1S/1SD1S	200 Vac, 1 A, 40 VA	GP
KF 4	1PW/1PW/1PW/1PW	250 Vac, 5 A	GP

**Enclosure Ratings:**

Type 1 for all GF..VD Types and all KF Types  
 Type 4 for all other GF.. Types.

**SECTION 2**

Enclosed Type Limit Switches, Type ZS, followed by 71, 73, 75 or 441; followed by 1Ö, 2Ö, 4Ö, 1Ö/1S or 2Ö/2S, may be followed by W, S or SR, may be followed by VD or VS, may be followed by A, may be followed by G115 V or G24V. Rated 6 A GP, 300 Vac, A300/P300.

Types ZS, followed by 71, 73, 75 or 441, followed by 2Ö/1S or 1Ö/1S , may be followed by V. Rated C300, and 2 A 250 Vac G.P., Type 3.



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Open Type Limit Switches

<u>Type</u>	<u>Rating</u>	
EM11	300 Vac / 6 A	GP A300/P300
ZS232	300 Vac / 10 A	GP A300/P150
ES40	300 Vac / 6 A	GP A300/P300
ES60	300 Vac / 10 A	GP A300/P300
EM441	250Vac / 2A	GP C300
EM 232 IK 2S GF	250Vac / 10A	A300/Q150
ES 232 2Ö GF	250Vac / 10A	A300/Q150
EM232	250Vac / 10A	A300/Q150

Enclosure Rating:

Type 1 for all Suffix VS Types  
Type 3 for ZS71, ZS73, ZS75 and ZS441.

Notes:

- 1 Type designations are completed with suffix letters indicating type of actuator.
- 2 Provided with switch element ZS 232, see #.
- 3 Certified for use only in equipment where the acceptability of the combination is to be determined by CSA International or another NRTL
- 4 Limit switches with PG/Metric size conduit threads must be provided with certified adapters to convert PG/Metric size conduit threads to standard ½ NPT conduits, certified cable glands or NPT threading. The adapters or cable glands must be provided for each switch to be sent to North America. The adapters or cable glands may be package separate, but shipped together with the switches
- 5 On manufacturers request Types ZS were tested at an ambient temperature of 70°C

**APPLICABLE REQUIREMENTS**

CSA Standard C22.2 No.	0-20	- General Requirements
CSA Standard C22.2 No.	14-18	- Industrial Control Equipment
UL	508, 18 <sup>th</sup> edition	- Industrial Control Equipment



## Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.*

### Product Certification History

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Project	Date	Description
80080209	2021-05-17	Update to Report 1044282 to the latest standard and to add additional polymeric housing material Leona FG171 (UL E48285) and Ultramid A3X2G5 (UL E41871) to ZS 71 pull-rope switch.
000070204104	2018-11-26	Update to Report 1044282 to cover alternative plastic materials.
000070190309	2018-09-14	Update to Report 1044282 to add alternative Material Zytel FR 72G25V0 Manufactured by Dupont for switches EM441, ES60 and ES40. cCSAus Update to Report 1044282 to add alternative Material Zytel FR 72G25V0 Manufactured by Dupont for switches EM441, ES60 and ES4 0.
000070174308	2018-06-18	Update to Report 1044282 to define interchangeable housing materials for models EM232 and ZS232
000070118866	2017-04-19	Update to Report 1044282 to cover changes in plastic materials.
000070038993	2015-07-21	Update to Report 1044282 to cover editorial changes.
0002488577	2012-01-10	Update to Report 1044282 for adding new models of series GFS.
0002399763	2011-05-16	Update to Report 1044282 for transferring switches EM232 from report 1258562. According to C22.2 14-10 and UL508, 17th ed. Supersedes Report 1258562
0002279410	2010-03-26	Update to Report 1044282 to cover switch block EM441.
0001944200	2007-12-19	Update to Report 1044282 to cover alternate components
0001602798	2004-10-18	Update to Report 1044282 to cover alternate gasket material.
0001273320	2002-01-10	Update to Report 1044282 (LR 85005-8) to cover additional pilot lamp to Limit Switch ZS 71, 73, 75 and 441.



0001044282

1999-12-23

Original certification of Foot operated Switches, Types GF and KF; Limit switches Enclosed type, Type ZS: Limit switches, open type, Types EM11, ZS232, ES40 and ES60.