



Certificate of Compliance

Certificate: 2464633

Master Contract: 180133

Project: 80081266

Date Issued: 2021-04-30

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: *Azad Hacika*
Azad Hacika





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PRODUCTS

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

EXTREME Version

The switchgear of the business field Extreme was designed for applications under extreme conditions. Characteristics like high protection class, extremely low and high temperatures, corrosion resistance, shock and vibration resistance are met.

A. Limit Switches, enclosed, Type 4: As follows:

- Type ES 14 AZ with suffixes (1NC), rated 3A, 250V ac; 0.2A, 230V dc; C300; Q300.
- Type ES 14 with suffixes (1NC/1NO, 2NO, 2NC/1NO) rated 6A, 300V ac; 0.25A, 230V dc; A300; Q300.
- EM 14 with suffixes (1W) rated 6A, 300V ac; 0.16A, 230V dc, A300; Q300
- Type ES/EM41 with suffixes, ES41 - 1NC/1NO; 1NO/1NC UE (overlapping); 2NC; EM41 - 1NC/1 NO, rated 6A, 400V ac, A300. P300
- Type ES/EM 95 with suffixes (2 NC) rated 6A, 400V ac; 0.25A, 230V dc; B300; Q300
- Type ES/EM 98 with suffixes 11; 02; 11U; 12; 21; (11 – 1NO/1NC; 02 – 2NC; 11U – 1NO/1NC UE; 12 – 1NO/2NC; 21 – 2NO/1NC); 11; 02; 11U; 12, rated 6A, 250V ac; 0.25A, 230V dc; C300; Q30; 21, rated 6A, 250V ac; 0.2A, 230V dc; 3A, 24V dc; B300; Q300

B. Proximity Switches, open type: As follows:

- RC 15 with suffixes: (1NC; 1NO; 1W) Rated 250V ac/dc max., 1.5A max; Suffix 1NC & 1W – 50VA/W max.; Suffix 1NO – 100VA/W
- RC 20 with suffixes (1NC; 1NO; 1W), Suffix 1NO – 250V ac/dc max., 0.5A max, 50VA/W max.; Suffix 1NC & 1W – 175V ac/dc max., 0.25A max, 3VA/W max.
- RC 23 with suffixes (1NO; 1W; 1W-W) Suffix 1NO – 250V ac/dc max, 2A max, 50VA/W; Suffix 1W – 250V ac/dc max, 0.5A max, 15VA/W max; Suffix 1W-W – 250V ac/dc max, 1A max, 25VA/W max.
- RC M20 with suffixes (1NO; 1NO_r; 1W; 1W_r), Suffix 1NO – 250V ac/dc max, 1.5A max, 100VA/W; Suffix 1W – 250V ac/dc max, 1.5A max, 50VA/W max.
- RC Si M30 with suffixes (1 NC/1 NO or 2 NC). Without LED – 30V dc, 157mA Resistive; With LED – 30V dc, 20mA Resistive.
- RC Si 56 with suffixes (1 NC/1 NO or 2 NC). Without LED – 30V dc, 157 mA; With LED – 30V dc, 20mA.

C. Electronic Sensing Relay, Enclosure, Type 4

- HS Si 4 with suffixes (1 NC/1 NO or 2 NC), rated 40mA, 24V dc.
- BZ 16 with suffixes (2 NC or 1 NO/1 NC), rated 3A, 250V ac; 4A, 24V dc; C300



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D. Pull Rope Switches, enclosed, Type 4: As follows:

- *ZS 71 with suffixes (1NC/1NO; 2 NC; 2NC/1NO), Suffix 1NC/1NO; 2NC; rated 6A, 400V ac; A300; P300, Suffix 2NC/1NO; rated 2A, 250V ac
- *ZS 73 with suffixes (1NC/1NO; 2 NC), Suffix 1NC/1NO; 2NC; rated 6A, 400V ac; A300; P300
- *ZS 73S with suffixes (1NC/1NO; 2 NC; 2NC/1NO), Suffix 1NC/1NO; 2NC; rated 6A, 400V ac; A300; P300, Suffix 2NC/1NO; rated 2A, 250V ac
- *ZS 73 SR with suffixes (1NC/1NO; 2 NC; 2NC/1NO), Suffix 1NC/1NO; 2NC; rated 6A, 400V ac; A300; P300, Suffix 2NC/1NO; rated 2A, 250V ac
- *ZS 75 with suffixes (1NC/1NO; 2NC/2O; 4 NC), rated 6A, 400V ac; A300; P300
- *ZS 75 S with suffixes (1NC/1NO; 2NC/2NO; 2NC/1NO; 4NC), Suffix 1NC/1NO; 2NC/2NO; 4NC rated 6A, 400V ac; A300; P300, Suffix 2NC/1NO rated 2A, 250V ac
- *ZS 75 SR with suffixes (1NC/1NO; 2NC/2NO; 2NC/1NO; 4NC), Suffix 1NC/1NO; 2NC/2NO; 4NC rated 6A, 400V ac; A300; P300, Suffix 2NC/1NO rated 2A, 250V ac

(* - Condition of Acceptability: "Suitability for use in equipment or circuits for which transient voltages are known and controlled")

E. Foot Operated Switches, Enclosure, Type 4: As follows

- *GF, *GFI, *GFS, *GFSI, *GF 2, *GFS 2, *GF 3 & *GFS 3 with suffixes:

Contacts: 1 NC/1 NO, 2 NC/2NO
Rating: 2 contacts – 400V ac, 16A, A300, P300
4 contacts – 6A, 400V ac, A300, P300
Snap Action - 2 & 4 contacts – 4A, 230V ac; 2.5A, 400V ac; 1A, 500V ac, B300, P300

(* - Condition of Acceptability: "Suitability for use in equipment or circuits for which transient voltages are known and controlled")

- *GF D, GFID, GFSI D, GFS 2D & GF 2 D with suffixes:

Contacts: 1 NC/1 NO
Rating: 6A, 400V ac, A300, P300

- *GF HS, GFI HS, GFS HS, GFSI HS, GFS 2 HS & GF 2 HS with suffix:

Contact: Hall sensor
Rating: 30V dc, 20mA

- *GF POTI, GFI PTOI, GFS POTI, GFSI POTI, GFS 2 POTI & GF 2 POTI with suffixes:

Contact: SPDT or DPDT
Rating: 0.1A, 250V ac/24V dc



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•*GF RE, *GFI RE, *GFS RE, *GFSI RE, *GF 2 RE & *GFS 2 RE with suffixes:

Contact: 1NC/1NO
Rating: 16A, 400V ac, A300, P300

(* - Condition of Acceptability: "Suitability for use in equipment or circuits for which transient voltages are known and controlled")

•*GFS NA with suffixes:

Contacts: Slow or snap action, 1NC/1NO with emergency stop 1.NC/1NO or 2NC contacts,
2NC/2NO with 1NC/1NO or 2NC emergency stop contacts
Rating: Slow action (4 contacts) – 6A, 400V ac, C300; (2 contacts) – 16A, 400V ac, A300, P300
Snap action (2 or 4 contacts) – 4A, 230V ac, 2.5A, 400V ac, 1A, 500V ac, A300, P300
Emergency Stop push button – 3A, 250V ac

(* - Condition of Acceptability: "Suitability for use in equipment or circuits for which transient voltages are known and controlled")

•*GFS VD with suffixes:

Contacts: 1NO/1NC or 2NO/2NC
Rating: GFS VD – 16A, 400V ac, A300, P300
GFS IK VD – 6A, 400V ac, A300, P300

(* - Condition of Acceptability: "Suitability for use in equipment or circuits for which transient voltages are known and controlled")

•*GFS D with suffixes

Contacts: 1NC/1NO
Rating: 6A, 400V ac, A300, P300

(* - Condition of Acceptability: "Suitability for use in equipment or circuits for which transient voltages are known and controlled")



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F. Position switch series ES 91 DL, open Type, position switch, slow action with suffixes as follow:

1Ö/1S for 1NC/1NO rated 300 V AC / 10 A, GP A300/P300
2Ö/2S for 2NC/2NO rated 300 V AC / 10 A, GP A300/P300
3Ö/3S for 3NC/3NO rated 250 V AC / 10 A, A300/Q150
3Ö/1S for 3NC/1NO rated 250 V AC / 10 A, A300/Q150
4Ö/2S for 4NC/2NO rated 250 V AC / 10 A, A300/Q150
2Ö for 2NC rated 250 V AC / 10 A, A300/Q150
4Ö for 4NC rated 250 V AC / 10 A, A300/Q150
6Ö for 6NC rated 250 V AC / 10 A, A300/Q150
followed by additional optional suffixes

EM 91 DL position switch, snap action with suffixes as follow:

1Ö/1S for 1NC/1NO rated 300 V AC / 10 A, GP A300/P300
2Ö/2S for 2NC/2NO rated 300 V AC / 10 A, GP A300/P300
3Ö/3S for 3NC/3NO rated 250 V AC / 10 A, A300/Q150
3Ö/1S for 3NC/1NO rated 250 V AC / 10 A, A300/Q150
4Ö/2S for 4NC/2NO rated 250 V AC / 10 A, A300/Q150
2Ö for 2NC rated 250 V AC / 10 A, A300/Q150
4Ö for 4NC rated 250 V AC / 10 A, A300/Q150
6Ö for 6NC rated 250 V AC / 10 A, A300/Q150
followed by additional optional suffixes

G. ZS 91 switch, open Type, with suffixes as follow:

1. S for Pull-wire lever
SR for Belt-alignment lever
2. 1Ö for 1NC
1Ö/1S for 1NC/1NO
1ÖS/1ÖS for 1NCNO/1NCNO
2Ö/2S for 2NC/2NO
3Ö/3S for 3NC/3NO
3Ö/1S for 3NC/1NO
4Ö/2S for 4NC/2NO
2Ö for 2NC
4Ö for 4NC
6Ö for 6NC
3. Blank without latching, rated 250 V / 10 A, A300/Q150
VD: with latching, release by lever, rated 250 V / 10 A, A300/Q150
VD-A: with latching, release by lever, with indicator, rated 250 V / 10 A, A300/Q150
Si-Bus: Safety bus module, rated 250 V / 8 A, A300/Q150
Bus: Bus module, rated 250 V / 8 A, A300/Q150
Followed by additional optional suffixes



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Notes:

1. Open type devices are Certified as components for use only in other Certified equipment where the suitability of the combination is determined in the end use.
2. Limit switches without NPT conduit entry are accepted as “Special Component Devices” with general purpose enclosure.

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 0-20	- General Requirements - Canadian Electrical Code, Part II
CSA C22.2 No. 14-18	- Industrial Control Equipment
CAN/CSA C22.2 No. 94.2-20	- Enclosures for Electrical Equipment, Environmental Consideration
UL Std. 508 (18 th Ed.)	- Industrial Control Equipment
UL 50E (3 rd Edition)	- Enclosures for Electrical Equipment, Environmental Consideration



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

Project	Date	Description
80081266	2021-04-30	Update to Report 2464633 to correct alternative plastic material Ultramid A3X2G5(f1).
80051140	2021-03-25	Update to Report 2464633 to add additional polymeric housing material Leona FG171 (UL E48285) and Ultramid A3X2G5 (UL E41871) to ZS 71 pull-rope switch. Update of Report to the latest Standard Editions.
80031278	2021-02-09	Update to Report 2464633 to solve findings according FIR Follow-Up 180134180416 for issues on Resin and Reed Switch as well as FIR Follow-Up 180134190121 for issues on marking, potting compound and cable.
000070090320	2019-03-29	Update to Report 2464633 to add new model ES EM 91 and ZS 91 including an additional hosedown test.
000070055531	2016-01-28	Update to Report 2464633 due to material changes.
0002464633	2012-03-21	Original Certification