



Ref. Certif. No.

CA/33206/CSA

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

CB TEST CERTIFICATE

Product

Cord-connected Footswitches for ME Equipment / ME System

Name and address of the applicant

steute Technologies GmbH & Co. KG
Brückenstraße 91, 32584 Löhne, Germany

Name and address of the manufacturer

steute Technologies GmbH & Co. KG
Brückenstraße 91, 32584 Löhne, Germany

Name and address of the factory

steute Technologies GmbH & Co. KG
Brückenstraße 91, 32584 Löhne, Germany

Note: When more than one factory, please report on page 2

Additional Information on page 2

Ratings and principal characteristics

25 V AC / 60 V DC, 5 A max.

Trademark / Brand (if any)

.steute

Customer's Testing Facility (CTF) Stage used

N/A

Model / Type Ref.

Series: Medical footswitches MKF/KF

(M)KF(S) (x) - MED (x*) (x**) (x***)
(M)KF(S) 2 (x)/(x) - MED (x*) (x**) (x***)
(M)KF(S) 3 (x)/(x)/(x) - MED (x*) (x**) (x***)
(M)KF(S) 4 (x)/(x)/(x)/(x) - MED (x*) (x**) (x***)

Additional information (if necessary may also be reported on page 2)

Additional Information on page 2

A sample of the product was tested and found to be in conformity with

IEC 60601-1:2005, IEC 60601-1:2005/AMD1:2012, IEC 60601-1:2005/AMD2:2020 and ND for CA and US excluding requirements for Electromagnetic compatibility (Clause 17).

As shown in the Test Report Ref. No. which forms part of this Certificate

CB 180133 - 70210440 (80166943)

This CB Test Certificate is issued by the National Certification Body



CSA Group
178 Rexdale Boulevard
Toronto, ON M9W 1R3 Canada

Date: 2023-08-28

Signature: Vegard Andersen

The Footswitches nomenclature are designated as follows:

Pos I	Pos II	Pos III	Pos IV	Pos V	Pos VI	Pos VII	Pos VIII	Pos IX
Footswitch KF / MKF	Protective cover (optional mounted)	Number of Pedals	Switching function present in the pedal	Different switching function in the pedals	MED	Special product information	Base Plate	Additional customer information. e. customer specific description.
Example								
MKF	S	3	2S	/ 2S / 2PW	MED	USB	GP3 4	
MKF		2	2PW		MED		GP2 6	customer

POS I – Footswitch designation
 KF – Pedal with stripes
 MKF – Pedal with plane surface

POS II – Protective cover (optional mounted)
 Blank – No protective cover
 S – identifies a footswitch with a protective cover.

POS III – Number of pedals
 Blank – 1 Pedal
 2 – 2 Pedals
 3 – 3 Pedals
 4 – 4 Pedals

POS IV – Switch function per pedal(s)
 (x) – Same switching elements present in each pedal(s).
 Blank – Different switching elements per each pedal(s). See Pos V.

See below table for different switching function description and their electrical ratings.

POS V – Switch function per pedal(s)
 Blank – Same switching element present in each pedal(s). See Pos IV.
 (x) / (x) – 2 Pedal footswitch with different switching elements.
 (x) / (x) / (x) – 3 Pedal footswitch with different switching elements.
 (x) / (x) / (x) / (x) – 4 Pedal footswitch with different switching elements.

See below table for different switching function description and their electrical ratings.

Switching Functions, Pos IV and Pos V

(x)	Switch function description	Electrical Ratings
1S	Normally open contact (Reed)	max. 25 Vac / max. 60 Vdc. max. 1A
2S	2 Normally open contacts (reed or microswitch)	max. 25 Vac / max. 60 Vdc. max. 1A
1W	Change-over contact (Reed)	max. 25 Vac / max. 60 Vdc. max. 1A
1PW	Change-over contact (Microswitch)	max. 25 Vac / max. 60 Vdc. max. 5A
2PW	2 Change-over contact (Microswitch)	max. 25 Vac / max. 60 Vdc. max. 5A
1ÖS	normally closed and normally open contact (microswitch + Reed)	max. 25 Vac / max. 60 Vdc. max. 1A
D1S	Pressure point switch for normally open contact (Reed)	max. 25 Vac / max. 60 Vdc. max. 1A
D2S	Pressure point switch for 2 normally open contact (Reed)	max. 25 Vac / max. 60 Vdc. max. 1A
DÖS	Pressure point switch before normally closed and normally open contact (microswitch + Reed)	max. 25 Vac / max. 60 Vdc. max. 1A
1SD1S	1 normally open contact + Pressure point switch for normally open contact (Reed)	max. 25 Vac / max. 60 Vdc. max. 1A
D2S / D2S	2 x 2 pressure point switches (two per pedal), each consisting of Normally open contacts (reed)	max. 25 Vac / max. 60 Vdc. max. 1A
1Ö / 1S	Switching element consisting of 1 normally closed + 1 normally open contact	max. 25 Vac / max. 60 Vdc. max. 1A
2Ö / 2S	2 Switching elements consisting of 1 normally closed + 1 normally open contact	max. 25 Vac / max. 60 Vdc. max. 1A
1ÖS / 1ÖS	2 Switching elements (one per pedal), each consisting of 1 normally closed + 1 normally open contact	max. 25 Vac / max. 60 Vdc. max. 1A
HS (0-3,3V)	Hall sensor with analog output signal 0-3,3V	Ue: 5 Vdc, max. 12V / 25 mA
HS (0-5 V)	Hall sensor with analog output signal 0-5 V	Ue: 15..30 Vdc / 25 mA
HS (0,5-5V)	Hall sensor with analog output signal 0,5-5 V	Ue: 15..30 Vdc / 25 mA
HS (0-10 V)	Hall sensor with analog output signal 0-10 V	Ue: 15..30 Vdc / 25 mA
HS (0-20mA)	Hall sensor with analog output signal 0-20 mA	Ue.: 15..30 Vdc / 45 mA
HS (4-20mA)	Hall sensor with analog output signal 4-20 mA	Ue: 15..30 Vdc / 45 mA
HS RS-485	Hall sensor with RS-485 output signal	Ue: 5Vdc / 200 mA
POS VI –	Medical use MED – Medical use	
POS VII	– Special Product information	
(x*)	– Special product information.	
USB	– USB Output	
AP	– Category AP	
HID	– Human Interface Device (see description below).	

HID (Human Interface Device)

Steute HID solution is basically a PCB mounted in a plastic housing to fit into standard USB Type A connectors. It is Capable to connect up to four switching contacts or up to two analog signals. There are five different modes available, Keyboard, Generic, Virtual COM-Port, Joystick and Mouse. Each solution is configurable according to the customer's needs (e.g. scan codes for a keyboard, X and Y axis with different resolution for a analog joystick etc.). This functionality can be integrated into many different standard and/or customized base plates, depending on the customers' needs.

POS VIII– Base plate type
 Blank – No Base plate (Footswitch with only KF/MKF pedals).
 (x**) – Base plate type.

(x**)	(x**)	(x**)	(x**)
1- pedal	2- pedal	3- pedal	4- pedal
GP 11	GP 25	GP 32	GP 47
GP 12	GP 26	GP 33	GP 411 ²⁾
GP 17	GP 212	GP 34	
SK 12 ¹⁾	GP 211 ²⁾	GP 311 ²⁾	
GP 111 ²⁾			

POS IX – Information for customer (e.g. customer identification).

Note

- Information in brackets are used only if the particular description applies to the footswitch.
- ¹⁾ SK 12 footswitch has protective PA6 flap.
- ²⁾ Footswitches with baseplate series GPX11 are rated only for IPX8; All other baseplates footswitch are rated for IPX8 and IPX5 (No differences to IPX8 version).

Additional information (if necessary)

Date: 2023-08-28

Signature: Vegard Andersen