

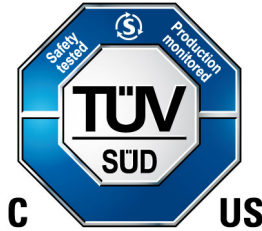
America

# CERTIFICATE

No. U8 098377 0008 Rev. 00

**Holder of Certificate:** halstrup-walcher GmbH  
 Stegener Str. 10  
 79199 Kirchzarten  
 GERMANY

**Certification Mark:**



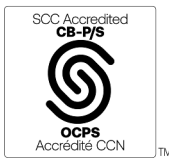
**Product:** Control units  
 (Positioning Systems)

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL for USA and a Standards Council of Canada ISO/IEC 17065 accredited Certification body for Canada.

**Test report no.:** 713293433

**Date,** 2023-03-29

( Abdul Sabbagh )



America

# CERTIFICATE

No. U8 098377 0008 Rev. 00

**Model(s):** **Series:**  
**PSE**  
**PSS**  
**PSW**  
 (for further model details refer to nomenclature below)

**Brand Name:** **halstrup-walcher**

**Tested according to:** UL 61010-1:2012/R:2019-07  
 CSA C22.2 No. 61010-1:2012/A1:2018-11

**Parameters:**

Model	PSE-Series	PSS-Series	PSW-Series
Rated voltage	24 VDC		
IP Degree	IP54 / IP 65	IP65	IP68
Protection class	III		

**Remarks/CoA (e.g. nomenclature; conditions of acceptability):**

1. The device shall comply with the National Standards and/or Electrical Codes of the country in question.
2. The device shall be installed, operated and maintained only by suitably trained, qualified personnel according to the manufacturer's instructions and specifications.
3. The models are for indoor use in non-hazardous locations.
4. The models shall be supplied and protected from an external SELV/PELV supply as specified in user manual.
5. External fuses suitable for the application must be provided in final installation: PSE34: max. 10A for motor circuit and max 2A for control unit. All other versions: max. 3.5A for motor circuit and max. 2A for control circuit.
6. Electric Actuator can lead to mechanical hazards. Final installation shall ensure that hazardous areas, moving parts are not accessible.
7. Stability shall be ensured in final installation.

**Description of model differences:**

Internal construction for all units is identical. Units have different interfaces and can be connected to the bus types below. Enclosure for all models is identical except that some models have glass window others not.

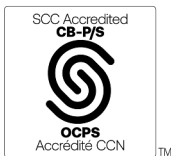
**Nomenclature:      ABC – D – E – F – G – H – I**

**A (Type) can be:**

PSE = Positioning System Efficient (IP 54 / IP 65) Sheet metal housing,  
 or Strand casting aluminum

housing for PSE34

PSS = Positioning System Stainless (IP 65) Stainless steel housing



America

# CERTIFICATE

No. U8 098377 0008 Rev. 00

PSW = Positioning System Washable (IP 68) Stainless steel housing

**B (Model/Construction) can be:**

- 30 = Crosswise
- 31 = Lengthwise
- 32 = Crosswise
- 33 = Lengthwise
- 34 = Crosswise

**C (Torque moment) can be:**

- 1 = 1 Nm
  - 2 = 2 Nm
  - 5 = 5 Nm
  - 8 = 7 (8) Nm
  - 10 = 10 Nm<sup>1)</sup>
  - 18 = 18 Nm<sup>1)</sup>
  - 25 = 25 Nm<sup>1)</sup>
- <sup>1)</sup> only for PSE  
Other values are possible but not safety relevant

**D (Drive shaft/output shaft) can be:**

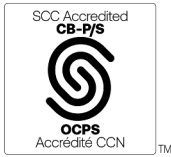
- 8 = 8 mm Hollow shaft
  - 14 = 14 mm Hollow shaft
  - 8V = 8 mm Full shaft
  - 14V = 14 mm Full shaft
  - 9/So = 9 mm Hollow shaft IP65
  - 14/So = 14 mm Hollow shaft IP65
- Other versions are possible but not safety relevant  
IP65 optional

**E (Bus communication) can be:**

- CA CANopen
- DP PROFIBUS DP
- DN DeviceNet
- MB Modbus RTU
- SE Sercos
- EC EthernetCAT
- PN PROFINET
- EI EtherNet/IP
- PL POWERLINK
- IO IO-Link

**F (Connections) can be:**

- 0 = Standard
- T = Standard with jog key<sup>2)</sup>
- X = Connector L-coded (for PSE34\_-14)
- Y = Connector Y-coded (not for PSE34\_-14)



America

# CERTIFICATE

No. U8 098377 0008 Rev. 00

Z = Connector Y-coded and jog key <sup>2)</sup> (not for PSE34\_-14)  
<sup>2)</sup> Always via an extra connector, not for PSW  
 Other versions are possible but not safety relevant

**G (Break) can be:**

0 = without break  
 M = with break

**H (Specification) can be:**

N = with NRTL  
 Y = NRTL and STO without test pulses <sup>3)</sup>  
 Z = NRTL and STO with test pulses <sup>3)</sup>  
<sup>3)</sup> not for PSE34

**OPTIONAL: I (Protection Class of Enclosure) can be:**

54 = IP 54 4)  
 65 = IP 65 5)  
 68 = IP 68 6)  
 4) only for type PSE  
 5) only for types PSE and PSS  
 6) only for type PSW