



Lloyd's
Register

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

This certificate is issued to:

PRODUCER	Siemens AG GWA Werner-von-Siemens-Straße 48 92220 Amberg Germany
DESCRIPTION	Push button
TYPES	SIRIUS Act 3SU1 Contact module 3SU1400-①②③④-⑤⑥⑦⑧-⑨ ① Type of Mounting: 1, 2 ② Module Type: A ③ Function: A ④ Colour: 10 ⑤ Type of Terminal: 1, 3 ⑥ Type of Contact: B, C, D, E, F ⑦ Inscription: A ⑧ Manufacture's identification: 0 ⑨ Appendix – optional: Z X90, Z X** (**=number for multi-unit packing)

Certificate No.	16/20044
Issue Date	12 May 2016
Expiry Date	11 May 2021
Sheet	1 of 10



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TYPES continued

LED module

3SU1401-①②③④-⑤⑥⑦⑧-⑨

- ① Type of Mounting: 1, 2, 3
- ② Module Type: B
- ③ Function: A, B, C, F, G, H
- ④ Colour: 00, 20, 30, 40, 50, 60
- ⑤ Type of Terminal: 1, 3, 5
- ⑥ Function: A
- ⑦ Inscription: A
- ⑧ Manufacture's identification: 0
- ⑨ Appendix – optional: Z X90, Z X** (**=number for multi-unit packing)

LED Test Module

3SU1400-①②③④-⑤⑥⑦⑧



- ① Type of Mounting: 1, 2, 4
- ② Module Type: C
- ③ Supply Voltage: K
- ④ Colour: 10
- ⑤ Type of Terminal: 1
- ⑥ Type of contact: A
- ⑦ Inscription: A
- ⑧ Manufacture's identification: 0

Push button extended

3SU12①②-③④⑤-⑥⑦⑧⑨

- ① Design: 0, 3, 5
- ② Illumination: 0, 1
- ③ Design: 0E, 0F
- ④ Function: B
- ⑤ Colour of the indicator lights: 10, 20, 40, 70
- ⑥ Type of Terminal: 0
- ⑦ Contact arrangement: A
- ⑧ Inscription: A

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TYPES continued

⑨ Manufacture's identification: 0

Actuators & indicators

3SU10①②-③④⑤-⑥⑦⑧⑨

① Design: 0, 3, 5, 6

② Illumination: 0, 1, 2

Pushbutton (PB)

③ Design: 0A, 0B, 0C, 0D, 0E, 0J

④ Function: A, B

⑤ Colour of the actuator: 10, 20, 30, 40, 50, 60, 80

Illuminated Pushbutton (IPB)

③ Design: 0A, 0B, 0C, 0D, 0E, 0J

④ Function: A, B, D

⑤ Colour of the actuator: 00, 20, 30, 40, 50, 60, 70

Mushroom Pushbutton (MPB)

③ Design: 1A, 1B, 1C, 1E

④ Function: A, D

⑤ Colour of the actuator: 10, 20, 30, 40, 50, 60

Mushroom Pushbutton (IMPB)

③ Design: 1A, 1B, 1C, 1E

④ Function: A, D

⑤ Colour of the actuator: 20, 30, 40, 50, 60, 70

Mushroom Pushbutton, Emergency Stop (Estop/MPB)

③ Design: 1G, 1H, 1J

④ Function: A, B, F, G, H, K, M, N, Q, R, S, T, U, V, X

⑤ Colour of the actuator: 20, 30, 50

Selector Switch (SelSW)

③ Design: 2A, 2B, 2C, 2D, 2E

④ Function: A, C, E, F, G, L, M, N, P


⑤ Colour of the actuator: 00, 20, 30, 40, 50, 60

Twin Pushbutton (TwinPB)

③ Design: 3A, 3B

④ Function: A, B

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TYPES continued

⑤ Colour of the actuator: 11, 42, 61, 66
Illuminated Twin Pushbutton (ITwinPB)

③ Design: 3A, 3B

④ Function: A, B

⑤ Colour of the actuator: 11, 42, 61, 66

Key Switch (KeySW)

③ Design: 4B, 4C, 4D, 4F, 4G, 4H, 4J, 4L, 5B, 5H, 5K, 5L, 5P, 5Q, 5R, 5S, 5T, 5X, 5Y

④ Function: B, C, F, L, M, N, P

⑤ Key release: 01, 11, 21, 31, 41, 51, 61

Pilot Light (PL)

③ Design: 0A

④ Function: A

⑤ Colour of the actuator: 00, 20, 30, 40, 50, 60, 70

Toggle Stick (TogST)

③ Design: 7A, 7B

④ Function: A, B, C, D, E, F

⑤ Colour of the actuator: 10, 88

All devices

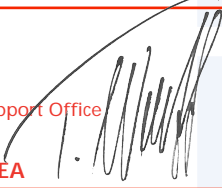

⑥ Type of Terminal: 0

⑦ Contact arrangement: A

⑧ Inscription: A or F, B, C, D, E, K, L, M, N, P, Q, R

⑨ Manufacture's identification: 0

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Actuators – complete devices

3SU11①②-③④⑤-⑥⑦⑧⑨

① Design: 0, 3, 5

② Illumination: 0, 2, 3, 6, 7, 8

Pushbutton (PB)

③ Design: 0A, 0B

④ Function: B

⑤ Colour of the actuator: 10, 20, 30, 40, 50, 60, 70, 80

Illuminated Pushbutton (IPB)

③ Design: 0A

④ Function: B

⑤ Colour of the actuator: 00, 20, 30, 40, 50, 60, 70

Mushroom Pushbutton (MPB)

③ Design: 1B

④ Function: A

⑤ Colour of the actuator: 20

Mushroom Pushbutton, Emergency Stop (Estop/MPB)

③ Design: 1H, 1L

④ Function: A, B

⑤ Colour of the actuator: 20, 30

Selector Switch (SelSW)

③ Design: 2B

④ Function: F, L, M

⑤ Colour of the actuator: 60

Key Switch (KeySW)

③ Design: 4B, 5B

④ Function: F, L

⑤ Colour of the actuator: 01, 11

Toggle Stick (TogST)

③ Design: 7B, 7B

④ Function: A, B, C, D, E, F

⑤ Colour of the actuator: 10, 88

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TYPES continued

All devices

- ⑥ Type of Terminal: 1, 3
- ⑦ Contact arrangement: B, C, F, L, M, N, P, Q, * (* = any other variations NO/NC max 6/8 contacts for holder 3/4 position)
- ⑧ Inscription: A or F, G, H, J, *
(* = any other customers required marking)
- ⑨ Manufacture's identification: 0

Actuators – complete devices (metal matt)

3SU11①②-③④⑤-⑥⑦⑧⑨

- ① Design: 6
- ② Illumination: 0, 2, 3, 6

Pushbutton (PB/IPB)

- ③ Design: 0J
- ④ Function: A, B, D
- ⑤ Colour of the actuator: 10, 20, 30, 40, 50, 60, 70

Key Switch (KeySW)

- ③ Design: 4L
- ④ Function: C, F, L
- ⑤ Key release: 01, 11, 21

Selector Switch (SelSW)


- ③ Design: 2D, 2E
- ④ Function: C, F, L, M
- ⑤ Colour of the actuator: 20, 40, 60

All devices

- ⑥ Type of Terminal: 1
- ⑦ Contact arrangement: B, C, * (* = any other variations NO/NC max 6/8 contacts for holder 3/4 position)
- ⑧ Inscription: A, * (* = any other customers required marking)
- ⑨ Manufacture's identification: 0

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TYPES continued

Indicator lights – complete devices

3SU11①②-③④⑤-⑥⑦⑧⑨

- ① Design: 0, 5
- ② Illumination: 2, 3, 6, 7, 8
- ③ Design of indicator light: 6A
- ④ Function: A
- ⑤ Colour of the indicator lights: 00, 20, 30, 40, 50, 60, 70, **
(* = other colours on manufacturer's request)
- ⑥ Type of Terminal: 1, 3
- ⑦ Contact arrangement: A
- ⑧ Inscription: A, * (* = any other customers required markings)
- ⑨ Manufacture's identification: 0

Holder / Holder with modules

3SU15①②-③④⑤-⑥⑦⑧⑨

- ① Design: 0, 5
- ② Module arrangements: 0, 1
- ③ Number of assembly places: 1A, 1B
- ④ Supply voltage: A, G
- ⑤ Colour: 00, 10, 20, 30, 40, 50, 60
- ⑥ Type of Terminal: 1
- ⑦ Contact arrangement: A, B, C, F, L, N, * (* = any other variations
NO/NC, LED module, max 6 contacts for holder 3 position)
- ⑧ Inscription: A
- ⑨ Manufacture's identification: 0


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Enclosures / Enclosed Actuators and Indicator lights

3SU18①②-③④⑤⑥-⑦⑧⑨⑩

- ① Enclosure material: 0, 5
- ② Number of command points: 1, 2, 3, 4, 6
- ③ Design of enclosure: 0, 1, 3
- ④ Assembly for command points:
Following for assemblies of enclosures with 1-6 command points:
AZ, NZ
Following for assemblies of enclosures with 1 command point:
AB, AC, AD, AE, BA, BC, BD, BE, NA, NB, ND, NE,
Following for assemblies of enclosures with 2 command points:
AB, AC, NA, NB
Following for assemblies of enclosures with 3 command points:
AB, AC, AD, NA, NB
- ⑤ Communication capability: 0, 1
- ⑥ Manufacture's identification: 0
- ⑦ Type of module mounting: 0, 1, 2, 4
- ⑧ Cord connection: A, G, H
- ⑨ Design of cover: A, B, C, D, E
- ⑩ Colour of cover: 1, 2

Accessories

- 3SU1900-0A, -0B, -0C Labels, Insert labels, Label Holder, different colours and inscriptions
- 3SU1900-0D, -0E Protection Covers, Caps, Collars (plastic)
- 3SU1900-0F, -0G Blind Plugs, Pusher Caps, IDkeys (plastic)
- 3SU1950-0D Padlocks, Guards, Locking Covers (metal)
- 3SU1950-0F, -0G Blind Plugs, Keys (metal)
- 3SU19.0-0H, -0J Cable Gland, Connecting Pieces, Enclosure Close Control Plunger, Stand for Two-Hand Control Station (plastic or metal, different colors)


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TYPES continued	3SU19.0-0L, -0K 3SU10.1-6AA..-0AA0	other mechanical accessories Lenses for Indicator lights
APPLICATION	Marine applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register Type Approval System, Test Specification Number 1 – July 2015.	
ADDITIONAL TESTS	Low temperature (-25°C/16hrs)	
STANDARD	DIN EN 60947-5-1: 2010 DIN EN 60947-5-5: 2005	
RATINGS	Rated operational voltage Ue (V): Rated operational current Ie (A): Rated frequency (Hz):	500V Max. 10A 50/60Hz/dc
PLACES OF PRODUCTION	<p>Siemens AG GWA Werner-von-Siemens-Straße 48 92220 Amberg Germany</p> <p>Siemens, s.r.o. Odstepny zavod Nizkonapetova spinaci tehnika Volanovská 516 541 01 Trutnov CZECH REPUBLIC</p> <p>Siemens Electrical Apparatus L td., Suzhou, Tian Tai Branch 29 Cheng Guan, Shui Chang Road Tian Tian Zhe Jaing China</p>	

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**PLACES OF
PRODUCTION
continued**

EAO AG
Tannwaldstrasse 88
4601 Olten
SWITZERLAND

CAPTRON Electronic GmbH
Johann-G.-Gutenberg-Str. 7
82140 Olching
GERMANY



The Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.

If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.

The Design Appraisal Document No. HTS/ETS 33601-16 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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