



Confirmation of Product Type Approval

Company Name: SIEMENS AG DI FA

Address: SIMATIC TYPE TEST Germany

Product: Automation, Operator Panel System

Model(s): SIMATIC, TPxxx, KTPxxx, KPxxx, KP8, MTB

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	19-1824752-1-PDA	16-DEC-2021	05-FEB-2024
Manufacturing Assessment (MA)	21-4937285	14-SEP-2021	18-SEP-2026
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Operator panels for monitoring and control functions on AMS, ACC, ACCU, ABCU Classed Vessels.

Description

System Components:

KP400 Comfort, 6AV2 124-1DC01-0AX0

KTP400 Comfort, 6AV2 124-2DC01-0AX0

TP700 Comfort, 6AV2 124-0GC01-0AX0

KP700 Comfort, 6AV2 124-1GC01-0AX0

TP900 Comfort, 6AV2 124-0JC01-0AX0

KP900 Comfort, 6AV2 124-1JC01-0AX0

TP1200 Comfort, 6AV2 124-0MC01-0AX0

KP1200 Comfort, 6AV2 124-1MC01-0AX0

TP1500 Comfort, 6AV2 124-0QC02-0AX1

KP1500 Comfort, 6AV2 124-1QC02-0AX1

TP1900 Comfort, 6AV2 124-0UC02-0AX1

TP2200 Comfort, 6AV2 124-0XC02-0AX1

KP8, 6AV3 688-3AY36-0AX0

KTP700 Mobile, 6AV2 125-2GB03-0AX0

KTP900 Mobile, 6AV2 125-2JB03-0AX0

Connection Box Compact, 6AV2 125-2AE03-0AX0

Connection Box Standard, 6AV2 125-2AE13-0AX0

Connection Box Advanced, 6AV2 125-2AE23-0AX0

MTP700 Unified Comfort, 6AV2 128-3GB06-0AX1

MTP700 Unified Comfort, Neutral, 6AV2 128-3GB36-0AX1

MTP1000 Unified Comfort, 6AV2 128-3KB06-0AX1

MTP1000 Unified Comfort, Neutral, 6AV2 128-3KB36-0AX1

MTP1200 Unified Comfort, 6AV2 128-3MB06-0AX1

MTP1200 Unified Comfort, Neutral, 6AV2 128-3MB36-0AX1

MTP1500 Unified Comfort, 6AV2 128-3QB06-0AX1

MTP1500 Unified Comfort, Neutral, 6AV2 128-3QB36-0AX1

MTP1900 Unified Comfort, 6AV2 128-3UB06-0AX1

MTP1900 Unified Comfort, Neutral, 6AV2 128-3UB36-0AX1

MTP2200 Unified Comfort, 6AV2 128-3XB06-0AX1

MTP2200 Unified Comfort, Neutral, 6AV2 128-3XB36-0AX1

Ratings

Power supply: 24V DC

Degree of Protection IP 20, Front IP65/Type 4X/Type 12

Service Restrictions

Unit Certification is not required for the original equipment manufacturer. However, unit certification in accordance with 4-9-9/Table 2 is required by the user to customize this equipment where this equipment is used for System Category II or III in accordance with 4-9-3/Table 1.

Installation of the units, as per manufacturer's instructions.

For installation in Bridge and Deck Zones:

1. Components of series, KP/KTP400 Comfort, KP/TP700 Comfort, KP/TP900 Comfort, KP/TP1200/1500, and TP1900/2200 Comfort, KTP700/900 Mobile, Unified Comfort Panels (Bridge and Deck installation) with filter B84113-C (tested) or equivalent;
2. EMC Protection for KP8. In power supply line and signal line a choke is to be fitted manufactured by Würth, order No. 742 716 22 (tested) or equivalent
3. Components with 24V DC supply only to be used in conjunction with lightning protection units only for comfort and Mobile Panels
4. Surge Immunity: External Protective circuits required for DC systems. See the current System Manual

(A5E03461486) for recommendations.

Comments

Tests and approval are for hardware only. Integration arrangements for remote propulsion control system are to be specifically reviewed.

The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes, Drawings and Documentation

Drawing No. 02, Test Spec, Edition 01/2017, Revision: 1,

Drawing No. 10.1, Manual, A5E33876626-AB, Edition 11/2015, Revision: 1

Drawing No. 10.2, Manual Protection, A5E03461486-AB, Edition 06/2014

Drawing No. 2, SIMATIC Type Test 2018-02, Revision: 1

Document No. A5E46641217-AA, Operating Instructions, dated 03/2020

Document No. SIMATIC Type Test-2019-03, Dated: 2019-10-15

Document No. SIMATIC Type Test-2020-01, Dated 2020-08-12

Document No. SIMATIC Type Test-2021-04, Dated 2021-03-24

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 05/Feb/2024 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

The Rules for Conditions of Classification, Part 1 2021 Marine Vessel Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2021 Marine Vessel Rules: 4-8-3/1.7, 4-8-3/1.11.1, 4-8-3/1.17, 4-9-3/5, 4-9-3/11.1, 4-9-3/11.3, 4-9-3/11.7, 4-9-3/13.3.1, 4-9-3/Table 2, as far as applicable for the inherent basic operating software, 4-9-9/13

The Rules for Conditions of Classification - Offshore Units and Structures, 2021 Mobile Offshore Units Rules: 1-1-4/9.7, 1-1-A2, 1-1-A3 which covers the following:

2021 Mobile Offshore Units Rules: 4-3-1/11, 4-3-1/15, 4-3-1/17, 4-3-4/5

International Standards

NA

EU-MED Standards

NA

National Standards

NA

Government Standards

NA

Other Standards

NA



A handwritten signature in dark ink, appearing to read "Joseph W. Wilson".

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 17-Feb-2022 4:03

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.