[1] # TYPE EXAMINATION CERTIFICATE

[2] **Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**

[3] Type Examination Certificate Number: **UL 20 ATEX 2457X Rev. 0**

[4] Product: **Safety Relay Modules, Open Type Programmable Controllers**

[5] Manufacturer: **Weidmüller Interface GmbH & Co. KG**

[6] Address: **Klingenbergstrasse 26, 32758 Detmold, Germany**

[7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential report no. **DK/ULD/ExTR20.0032/00**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 **EN IEC 60079-7: 2015 +A1:2018** **EN IEC 60079-15: 2019**

except in respect of those requirements listed at item 18 of the Schedule.

[10] If the sign "**X**" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

[11] This Type examination certificate relates only to the design of the specified product, and not to specific items of product subsequently manufactured.

[12] The marking of the product shall include the following:

II 3 G **Ex ec nC IIC T4 Gc**

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2020-11-30

Certification Body

UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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[13] [14]

Schedule
TYPE EXAMINATION CERTIFICATE No.
UL 20 ATEX 2457X Rev. 0

[15] Description of Product:

These devices are open type safety relay modules suitable for switching safety related circuits, for high risk installations. They are mounted on a DIN rail and provide two channels. Typical applications include safety interlocks for burner management systems, over-fill controls for bulk liquid storage tanks and plant shut-down systems

Models SCS 24VDC P1SIL3ES LL and SCS 24VDC P1SIL3ES LL-T.
The two models differ only in the size of their housing, the used relay types and the temperature rating.

The optical radiation output of the product with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 1) to the scope of EN 60079-28:2015.

Temperature range:
Model SCS 24VDC P1SIL3ES LL
The ambient temperature range is -40 °C to +50 °C.

Model SCS 24VDC P1SIL3ES LL-T
The ambient temperature range is -40 °C to +70 °C.

Electrical data

Model	Main Input	Auxiliary Input / Output
SCS 24VDC P1SIL3ES LL	Terminals "24V" and "0V": 24 VDC ± 20% P < 1 W	Terminals L, N, 13, 14: Max switching voltage 250Vac/30Vdc Max switching current 2.5 A (G.P.) Terminal M14: Alarm output: Voltage drop, typ. 1.2Vdc, 100mA Res. Terminals D21, D22 Diagnostic Output: 30Vdc, 100mA, Res.
SCS 24VDC P1SIL3ES LL-T		

Routine tests:
A dielectric strength test shall be carried out according at 2.2 kV AC RMS, 50 Hz, maintained for at least 2s, ramp-up within 5 s, between Block 1 (terminals X1/X2/X3/X6) and Block 2 (terminals X4/X5). No flashover of clearances or breakdown of solid insulation shall occur during the test, nor shall the test device indicate failure.

[16] Descriptive Documents
The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this Type Examination Certificate.

[17] Special Conditions of Use:

- The equipment shall be installed in an enclosure that provides a minimum ingress
- protection of IP 54 in accordance with EN 60079-0
- The equipment shall only be used in an area of at least pollution degree 2, as defined
- in EN 60664-1.
- When used in areas requiring Gc equipment, the devices must be wall mounted on a vertical or horizontal rail.

[18] Essential Health and Safety Requirements
The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

The trademark Weidmüller will be used as the company identifier on the marking label.