

CERTIFICATE

Consilium Marine & Safety AB
Boks 8763
SE-40503 Göteborg
Sweden

Certifikat nr.
Certificate no.

232.254

har på baggrund af vurderede systemegenskaber baseret på systemprøvningsrapport(er) for overensstemmelse mellem systembeskrivelse og gældende specifikationer i systemstandarder og/eller andre normative dokumenter opnået dette overensstemmelsescertifikat for systemet
has achieved this certificate of conformity based on evaluation of system approval test report(s) for conformity between system standards and(or) other normative documents for the system

Terra Fire **Automatisk Branddetekterings- og Alarm-system**
Automatic Fire Detection and Alarm System

til anvendelse i automatiske brandalarmanlæg.
to be used in automatic fire detection and alarm systems.

Certifikatet tilkendegiver overensstemmelse med kravene i følgende standarder og andre normative dokumenter:
The certificate signifies compliance with the requirements in the following standards and other normative documents:

EN 54-13: 2005 Fire detection and fire alarm systems – Part 13:
Compatibility assessment of system components.

DBI Guideline 003 Fire safety systems

Certifikatet er kun gældende så længe systemet er i overensstemmelse med ovennævnte samt kravene i certificeringsordningen.
The certificate is only valid as long as the system is in conformity with the above mentioned and the requirements of the certification system.

Udstedt /Issued: 2020-08-26

Udløber/expire: 2023-08-26

Erstatter tidligere udstedt certifikat 2019-10-10
Replace previous issued certificate 2019-10-10



Allan Laursen



Merete Poulsen

Bilag/Annex: 1

OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
CCP, Terra Fire	Control and indicating equipment with power supply	2531-CPR-232.1686
System parts		
NS-AOS-IS	Røgdetektor - optisk , ATEX approved	2531-CPR-232.1494
NS-AOHS-IS	Røgdetektor detector optisk/termo ATEX approved	2531-CPR-232.1494
ACP-IS	Alarmtryk IP67 ATEX approved /Manual Call Point IP67 ATEX approved	2531-CPR-CSP10841
CN-MCP2 DSCI	Alarmtryk med isolator /Manual Call Point with DSCI	2531-CPR-232.1709
CN-MCP2 DSCI WP	Alarmtryk IP67 med isolator /Manual Call Point IP67 with DSCI	2531-CPR-232.1709
CN-MCP2-SCI	Alarmtryk med isolator / Manual Call Point with SCI	0905-CPR-0047
CN-MCP2-SCI WP	Alarmtryk IP67 med isolator / Manual Call Point IP67 with SCI	0905-CPR-0047
MCP-A-SCI	Manual Call Point with Isolator (indoor type)	2531-CPR-CSP10843
MCP-A-SCI WP	Manual Call Point with Isolator (outdoor type)	2531-CPR-CSP10843
CN-P	Optisk Røgdetektor / Analogue addressable photoelectrical smoke detector	2831-CPR-F2433
CN-PH	Dual detektor, optisk røg- og termo-detektor (klasse A1R) / Dual smoke and heat detector Class A1R	2831-CPR-F2432
CN-DP	Optisk Røgdetektor med Dobbelsensor / photoelectrical smoke detector with dual sensors	2531-CPR-232.1712
CN-DPH-A2R	Dual detektor, optisk Røgdetektor dobbelsensor og termo klasse A2R	2531-CPR-232.1685
CN-DPH-CS	Dual detector, optisk Røgdetektor dobbelsensor og termo klasse CS	2531-CPR-232.1685
CN-PS DSCI	Optisk detektor med lyd giver og isolator / Optical detector with sound and SCI	2531-CPR-232.1710

Bilag/Annex: 1

OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
CN-PS	Optisk detektor med lyd giver / Optical detector with sound	2531-CPR-232.1710
CN-PYH	Multisensor detector optisk/termo	0905-CPR-00278
CN-H-A1R	Termodetektor (klasse A1R)	2831-CPR-F2430
CN-H-CS	Termodetektor (klasse CS)	2831-CPR-F2431
CN-BI-DSCI	Adresserbare Sokkel med isolator / Addressable base w. DSCI	2531-CPR-232.1708
CN-AIOI-DSCI	I/O modul med DSCI isolator / Input/Output module with DSCI	2531-CPR-232.1707
CN-SB-DSCI BASE	Analogue addressable sounder beacon base with DSCI Isolator	0786-CPD-21230
CN-SB-DSCI	Analogue addressable sounder beacon with DSCI Isolator	0786-CPD-21230
CN-HIOP-BCN-SCI	Outdoor Beacon with SCI Isolator	0359-CPR-00619
CN-HIOP-SB-SCI	Outdoor Sounder/Beacon with SCI Isolator	0359-CPR-00619
CN-HIOP-SDR-SCI	Outdoor Sounder with SCI Isolator	0359-CPR-00619
IC10 IP22	Address unit IP22	2531-CPR-232.1738
IC10 WP	Address unit IP66	2531-CPR-232.1738
IC21 WP	Indication control unit IP66	2531-CPR-232.1738
IC21 WPL	Indication control unit IP66 Large box	2531-CPR-232.1738
IC44 WP	Indication control unit IP66	2531-CPR-232.1738
IC44 WPL	Indication control unit IP66 Large box	2531-CPR-232.1738
TC10 WP	Timer control unit	2531-CPR-232.1738

Bilag/Annex: 1

OMFANG/EXTENT

Type <i>Type</i>	Produkt <i>Product</i>	Certifikat <i>Certificate</i>
Conventional units		
EVC-P	Optisk sensor / Optical sensor	2831-CPR-F2423
EVC-PY-IS	Conventional optical detector intrinsically safe, ATEX approved	0786-CPR-20883
EVC-DP	2 x Optisk detector / Dual optical detector	2831-CPR-F1874
EVC-IR	Dobbelt infrarøde Flamme detector Klasse 1 / Dual Infrared Flame Detector Class 1	2831-CPR-F2439
EVC-H-A2S	Termodetektor klasse A2S / Heat detector Class A2S	2831-CPR-F2421
EVC-H-CS	Termodetektor klasse CS / Heat detector Class CS	2831-CPR-F2422
HC100 A2 IS IP67	Conventional heat detector intrinsically safe	2531-CPR-232.1711
MCP-C IP24	Alarm tryk / Manual call point	0832-CPD-642
MCP-C IP67	Alarmtryk / Manual call point	0832-CPD-654
Misc. Units.		
UB-6 SCI	Short circuit isolator base	0359-CPR-00225
SPB-ADAPT SCI	Short circuit isolator base	0359-CPR-00225
NMI-SCI	Short circuit isolator	0359-CPR-00225
CD-S	Sounder controlled by detector output	2531-CPR-CSP10859
Isolator	IS isolator conventional type, ATEX approved	N/A
Isolator A	IS isolator analogue type, ATEX approved	N/A

Bilag/Annex: 2

PRØVNINGS DOKUMENTATION

TEST DOKUMENTATION

Akkediteret laboratorium <i>Accredited laboratory</i>	Rapport nr <i>Report no.</i>	Dato <i>Date</i>
DELTA	A530873-2 Rev. A - DANAK 1911117	15-11-2010
DBI Certification	6303416	21-11-2014
DBI Certification	DOC-002832, 2017-05-17	17-05-2017

Bilag/Annex: 3

TEKNISK DOKUMENTATION
TECHNICAL DOCUMENTATION

Titel Name	Reference Refence	Dato Date
Installation Manual (UK or DK)	5100353 TERRA FIRE FIRE_Installation Manual_I0_EN_2019_Y	2019
Danish user guide for maintenance and service including description of how all functions of the system is operated.	5100352_ TERRA FIRE_Brugervejledning I3 DA 2019 AB	2019
Short guide in Danish only describing operations used in case of alarm or failure.	5100356 TERRA FIRE Hurtigguide I3_DA 2013 E	2013

Bilag/Annex: 4

AFVIGELSER *DEVIANCE*

If more than 32 detectors are connected to the loop circuit, short circuit isolators are used to prevent that a short circuit of the loop has influence on the alarm transmission for more than 32 detectors.