

CERTIFICATE

Schneider Electric A/S
Hørkær 12 B
DK 2730 Herlev

Certifikat nr.
Certificate no.
232.234

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 overensstemmelsecertifikat 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

FX-System

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*: 2019-10-10
Udløber/*expire*: 2021-11-20
Erstatter tidligere udstedt certifikat 2019-08-15
Replace previous issued certificate 2019-08-15



Allan Laursen



Merete Poulsen

Bilag/Annex: 1

OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
Centraludstyr / Control and Indicating Equipment		
FX	Kontrol og indikeringsudstyr <i>Control and Indicating Equipment</i>	0832-CPD-1082
FXS	Kontrol og indikeringsudstyr <i>Analogue addressable repeater panel</i>	0832-CPD-1082
FXM	Kontrol og indikeringsudstyr <i>Control and Indicating Equipment</i>	0832-CPD-1084
FXL	Kontrol og indikeringsudstyr <i>Control and Indicating Equipment</i>	0832-CPD-1083
FX-MC2	Kontrol og indikeringsudstyr <i>Control and Indicating Equipment</i>	0832-CPD-1082
System sensor:		
ESMI22051TLEI	Multi detektor, 3 element, med isolator. <i>3-element multi criteria detector with short circuit isolator.</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20697
ESMI22051TEI	Optisk/Termo røgdetektor, med isolator. <i>Optical/Heat detector with short circuit isolator.</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20698
ESMI22051EI	Optisk røgdetektor, med isolator. <i>Optical smoke detector with short circuit isolator.</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20699
ESMI52051EI	Termodetektor A1S 58°C (Fast emperature), med isolator <i>Static Heat Detector A1S 58°C (Fixed temperature) with short circuit isolator</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20700

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OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
ESMI52051HTEI	Termodetektor BS 78°C (Fast temperatur), med isolator. <i>Static Heat detector BS 78°C (Fixed temperature) with short circuit isolator.</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20701
ESMI52051REI	Termo-differential-detektor A1R 58°C (ROR) med isolator. <i>Rate of rise detector A1R 58°C (ROR) with isolator.</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20702
ESMI22051TLE	Multi detektor, 3 element. <i>3-element multi criteria detector</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20703
ESMI22051TE	Optisk/Termo røgdetektor. <i>Optical/Heat detector.</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20704
ESMI22051E	Optisk røgdetektor. <i>Optical smoke detector.</i> Sokkel type/Base type: B501AP eller/or Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20705
ESMI52051E	Termodetektor A1S 58°C (Fast emperature) <i>Static Heat Detector A1S 58°C (Fixed temperature)</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20706
ESMI52051HTE	Termodetektor BS 78°C (Fast temperatur). <i>Static Heat Detector BS 78°C.</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20707
ESMI52051RE	Termo-differential-detektor A1R 58°C (ROR). <i>Rate of rise heat detector A1R 58°C (ROR).</i> Sokkel type/Base type: B501, B501AP, B524IEFT-1, B524HTR, B524RTE, B501DG.	0786-CPD-20708

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OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
ESMI2251CTLE-yy	Analog adressérbar multikriterie detector <i>Analogue addressable multi-criteria detector</i> Sokkel type/Base type: B501AP, B501DG, B524EFT-1	0832-CPD-0740
ESMI 5251EM	Termodetektor <i>Heat detector</i>	0832-CPD-0052
2251EIS	Røgdetektor for Ex område <i>Ex area smoke detector(Connected to loop via converter and zener barrier</i>	0832-CPD-0199
ESMI5251REM	Termodetektor (RoR) <i>Heat detector (RoR)</i>	0832-CPD-0051
ESMI2251EM	Røgdetektor, optisk <i>Smoke detector, optical</i>	0832-CPD-0048
ESMI2251TEM	Multi-kriterie detektor (Termo og røg, optisk) <i>Multi criteria detector (heat and smoke, optical)</i>	0832-CPD-0050
FTX/P1 (Filtrex)	Røgdetektor, optisk	0845-CPD-232.1427
LZR-1M	Røgdetektor, optisk (laser) <i>Smoke detector, optical (laser)</i>	0832-CPD-0196
7251	Røgdetektor, optisk (laser) <i>Smoke detector, optical (laser)</i>	0832-CPD-0192
EM220E	Dobbelt-input modul, <i>Dual input module</i>	0786-CPD-20342
EM210E	Enkelt-input modul <i>Single input module</i>	0786-CPD-20342
EM201E	Output modul <i>Output module</i>	0786-CPD-20341
EM201E240	Output modul (240 Vac)	0786-CPD-20341
EM221E	Dobbelt output / enkelt input modul <i>Dual input / single input module</i>	0786-CPD-20343
EB6500	IR linjedetektor <i>IR beam detector</i>	0832-CPD-0327
ED2351E	Røgdetektor, optisk <i>Smoke detector, optical</i>	0832-CPD-0099

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OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
ED2351TEM	Mutikriteriedetektor (Termo og røg, optisk)	0832-CPD-0100
ED4351E	Termodetektor	0832-CPD-0101
ED5351E	Termodetektor	0832-CPD-0102
EM200XE	Isolator modul <i>Isolator module</i>	0786-CPD-20340
BSO-PP-I33	DETECTOR BASE SOUNDER ISO	0832-CPD-1825
BSO-PP-N33	DETECTOR BASE SOUNDER NON-ISO	0832-CPD-1821
BSS-PR-I33	DET BASE SOUNDER STROBE ISO	0832-CPD-1826
BSS-PR-N33	DET BASE SOUNDER STROBE NON-ISO	0832-CPD-1822
WSO-PR-I33	WALL MOUNT SOUNDER ISO	0832-CPD-1823
WSO-PR-N33	WALL MOUNT SOUNDER NON-ISO	0832-CPD-1819
WSS-PR-I33	WALL MOUNT SOUNDER STROBE ISO	0832-CPD-1824
WSS-PR-N33	WALL MOUNT SOUNDER STROBE NON-ISO	0832-CPD-1820
MCP5-RP02	MANUAL CALL POINT ISO	0832-CPD-0696
MCP5-RP02S	MANUAL CALL POINT ISO IP67	0832-CPD-0698
Apollo		
Analoge addresserbare systemdele / <i>Analogue addressable system parts</i>		
55000-420	XP95 Heat detector (Class A2S)	0832 – CPD – 0161
55000-520	XP95 Ionisation smoke detector	0832 – CPD – 0163
55000-620	XP95 Optical Smoke Detector	0832 – CPD – 0164

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Type Type	Produkt Product	Certifikat Certificate
55000-885	XP95 Multisensor detector	0832 – CPD – 0256
EMI55000440APO	XP95 Heat detector (Class A2S) Intrinsically safe	0832 – CPD – 0311
55000-540	XP95 Ionisation smoke detector Intrinsically safe	0832 – CPD – 0312
EMI55000640APO	XP95 Optical smoke detector Intrinsically safe	0832 – CPD – 0313
58000-500 / 0672 210	Discovery Ionisation Smoke Detector type EDI-10	0832 – CPD – 0375
EMI58000600ESM	Discovery Optically Smoke Detector type EDI-50	0832 – CPD – 0376
EMI58000400ESM	Discovery Heat Detector type EDI-50	0832 – CPD – 0377
EMI58000700ESM	Discovery Multisensor Detector	0832 – CPD – 0378
EMI55000588ESM	XP 95 3-ch. I/O-modul m. Isolator	0832-CPD-0864
45681-265 / -	Intelligent Base Sounder	0832 – CPD – 0143
45681-266 / -	Intelligent Base Sounder	0832 – CPD – 0144
55000-278	Loop powered 100dB Sounder	0832-CPD-0147
EMI45681277ESM	Integrated Base Sounder with Isolator	0832-CPD-0273
45681.278 /0672 8030	Integrated Base Sounder with Isolator	0832-CPD-0274
45681-330 (EMI45681300ESM ESI-60)	Loop Powered Sounder Beacon Base with isolator	0832-CPD-0397
45681331 / 0672 8070 ESI-70	Loop Powered Sounder Beacon Base with isolator	0832-CPD-0398
EMI45681276ESM	Ancillary Base Sounder	0832-CPD-0530
XP95 Sounder Control Unit w. Isolator	55000-852 / 0672 7351 EMI-301/S	0832-CPD-0871
EMI55000877ESM, ESI-80	Loop-Powered Beacon (lysgiver)	Accepteret systemsamvirke

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Type Type	Produkt Product	Certifikat Certificate
EMI58832070ESM ERI-10	Minidisc Remote Indicator (lysg.)	Accepteret systemsamvirke
EMI55000720ESM	XP95 Isolator	0832-CPD-0843
55000-802 (EMI55000802ESM)	XP95 DIN-rail dual isolator	0832-CPD-0844
5500-845	XP95 Zone monitor med isolator <i>XP95 Zone monitor with isolator</i>	0832-CPD-0868
55000-847	XP95 I/O unit med isolator <i>XP95 I/O unit with isolator</i>	0832-CPD-0869
55000-849	XP95 I/O unit med isolator <i>XP95 I/O unit with isolator</i>	0832-CPD-0870
55000-855	XP95 DIN-skinne protokol translator <i>XP95 DIN-rail protocol translator</i>	0832-CPD-0858
5500-875	XP95 Hoved afbryder I/O unit <i>XP95 Main switch I/O unit</i>	0832-CPD-0860
FFS06720302	EDE221-I ESMI Essentia Heat Detector with short-circuit isolator	0832-CPR-F2096 and DOP DP17001GB
FFS06720301	EDE222-I ESMI Essentia Optical Smoke Detector with short-circuit isolator	0832-CPR-F2097 and DOP DP17000GB
FFS06720318	ECE221-I ESMI Essentia Manual Call Point with short-circuit isolator	0832-CPR-F2187 and DOP DP17011GB
FFS06723706	ECE221I6 ESMI Essentia Manual Call Point with short-circuit isolator	0832-CPR-F1220 and DOP DP17011GB
FFS06720316	EME216-I ESMI Essentia Twin Input/Output unit with short-circuit isolator	0832-CPR-F2095 and DOP DP17010GB
FFS06720317	EME216-I ESMI Essentia Twin Switch Monitor with short-circuit isolator	0832-CPR-F2095 and DOP DP17009GB
FFS06720303	EDE223-I ESMI Essentia Smoke/Heat Multi-Criteria Detector with short-circuit isolator	0832-CPR-F2098 and DOP DP17002GB
FFS06720315	EME215-I ESMI Essentia Mains Switching I/O Unit with short-circuit isolator	0832-CPR-F2094 and DOP DP17008GB
FFS06720311	EME210-I ESMI Essentia Switch Monitor with short-circuit isolator	0832-CPR-F2093 and DOP DP17004GB
FFS06720312	EME212-I ESMI Essentia Intelligent Input/ Output Unit with short-circuit isolator	0832-CPR-F2093 and DOP DP17005GB
FFS06720313	EME213-I ESMI Essentia DIN-Rail Input/ Output Unit with short-circuit isolator	0832-CPR-F2093 and DOP DP17006GB
FFS06720314	EME214-I ESMI Essentia DIN-Rail Switch Monitor with short-circuit isolator	0832-CPR-F2093 and DOP DP17007GB

Bilag/Annex: 1

OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
Konventionelle detektorer / Conventional detectors		
<i>Series 65 Ion røgdetektor / Series 65 ionisation Smoke Detector</i>		
55000-215	Series 65 ion røgdetektor med blink-LED og reed relæ	0832-CPD-0013
55000-216	Series 65 ion røgdetektor med blink-LED	0832-CPD-0014
55000-217	Series 65 ion røgdetektor	0832-CPD-0015
55000-218	Integrerende ion røgdetektor med blink-LED og reed-relæ	0832-CPD-0016
55000-219	Integrerende ion røgdetektor med blink-LED	0832-CPD-0017
55000-220	Integrerende ion røgdetektor	0832-CPD-0018
<i>Series 65 Optisk røgdetektor, konventionel Series 65 Optical Smoke Detector, conventional</i>		
55000-315	Optisk røgdetektor med blink-LED og reed relæ	0832-CPD-0019
55000-316	Optisk røgdetektor med blink-LED	0832-CPD-0020
55000-317	Optisk røgdetektor	0832-CPD-0021
<i>Series 65 termidetektor, konventionel Series 65 Heat Detector, conventional</i>		
55000-120	A1R, blink-LED, reed relæ	0832-CPD-0001
55000-121	A1R, blink-LED	0832-CPD-0002
55000-122	A1R	0832-CPD-0003
55000-125	BR, blink-LED, reed relæ	0832-CPD-0004
55000-126	BR, blink-LED	0832-CPD-0005
55000-127	BR	0832-CPD-0006

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OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
55000-130	CR, blink-LED, reed relæ	0832-CPD-0007
55000-131	CR, blink-LED	0832-CPD-0008
55000-132	CR	0832-CPD-0009
55000-135	CS, blink-LED, reed relæ	0832-CPD-0010
55000-136	CR, blink-LED	0832-CPD-0011
55000-137	CR	0832-CPD-0012
ESMI EDC-50/A1S	A1S, fixed temperature	0832-CPD-0451
Orbis Optisk røgdetektor, konventionel <i>Orbis Optical Smoke Detector, conventional</i>		
EMIORB-OP-12001ESM	Optical Smoke Detector	0832-CPD-0385
Orbis termometektor, konventionel <i>Orbis Heat Detector, conventional</i>		
EMIORB-HT11001ESM	A1, rate-of-rise	0832-CPD-0379
EMIORB-HT11002ESM	A2, fixed temperature	0832-CPD-0380
EMIORB-HT11003ESM	B, rate-of-rise	0832-CPD-0381
EMIORB-HT11004ESM	A2, fixed temperature	0832-CPD-0382
EMIORB-HT11005ESM	C, rate-of-rise	0832-CPD-0383
EMIORB-HT11006ESM	C, fixed temperature	0832-CPD-0384
Alarmtryk:		
55100-940 XP95	Alarmtryk	0832-CPD-812
Discovery alarmtryk	58000-900 58000-910 med dåse 58000-920 m. forsænkingsunderlag	0832-CPD-0797

Bilag/Annex: 1

OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
58100-905	Alarmtryk med glas element og isolator <i>Manual call point with glass element and short circuit isolator</i>	0832-CPD-0798
Intellia series of addressable devices		
XPA-IN-14007-APO	LOOP INTERFACE WIRELESS COMM	359-CPD-0019
XPA-CB-12034-APO	WLESS OPT DETECTOR WITH BASE	359-CPD-0012
Intellia series of addressable devices		
XPA-CB-13032-APO	WLESS MULTISENSOR WITH BASE	359-CPD-0013
XPA-CB-11170-APO	WLESS A1R HEAT DET WITH BASE	359-CPD-0010
XPA-CB-11171-APO	WLESS CS HEAT DET WITH BASE	359-CPD-0011
XPA-MC-14006-APO	WLESS MANUAL CALL POINT	359-CPD-0021
XPA-CB-14001-APO	WLESS RED SOUNDER WITH BASE	359-CPD-0014
XPA-CB-14003-APO	WLESS RED SOUNDER BEACON WITH B	359-CPD-0014
XPA-WB-10022-APO	WLESS DETECTOR ADDRESS MODULE	359-CPD-0037
XPA-IN-14011-APO	WLESS IO UNIT SINGLE CHANNEL	359-CPD-0024
XPA-IN-14012-APO	WLESS IO UNIT DUAL CHANNEL	359-CPD-0024
EMI-310+	Switch Monitor Plus with Isolator - Surface Mounted	0832-CPD-0867
EMI-310	Switch Monitor with Isolator - Surface Mounted	0832-CPD-1496
55000-001APO	OPEN AREA SOUNDER WITH ISOLATOR	0832-CPD-1050
55000-005APO	OPEN AREA SOUNDER BEACON WITH ISOLATOR	0832-CPD-1212
55000-022APO	INTELLIA UV FLAME DET BASE MODEL	0832-CPD-1315

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OMFANG/EXTENT

Type Type	Produkt Product	Certifikat Certificate
55000-023APO	INTELLIA UV/IR2 FLAME DET BASE MODEL	0832-CPD-1316
Intellia series of addressable devices		
55000-024APO	INTELLIA IR3 FLAME DET BASE MODEL	0832-CPD-1317
58100-951APO	MANUAL CALL POINT IP67, WITH ISOLATOR	0832-CPD-0820

Bilag/Annex: 2

PRØVNINGSdokUMENTATION TEST DOKUMENTATION

Akkediteret laboratorium <i>Accredited laboratory</i>	Rapport nr <i>Report no.</i>	Dato <i>Date</i>
DELTA: Test report Testing of system compatibility for the automatic fire alarm system type FX	DANAK-199780	2005-09-23
DELTA: Supplementary testing of system compatibility for the FX-system	DANAK-199832	2007-01-15
DELTA	DANAK-1910889 Project no.: A530784-1	17 May 2010
ANPI	BFS/DE/S/032	2013.12.02
DELTA	Danak-1911231 Project no.:A530784-02-1	17 January 2011
DELTA	DANAK -1911331 Project no.: A530858-1	31 August 2011
LPCB	WBH162 Conformity letter for loop card functionality in the CIE	18 June 2012

Bilag/Annex: 3

TEKNISK DOKUMENTATION
TECHNICAL DOCUMENTATION

Titel Name	Reference Refence	Dato Date
FX 3NET Brandalarmeringssystem Brugermanual	66571774GB1	37-2012
FX 3NET+SLC FIRE ALARM SYSTEM Planning Instruction	66571758GBO	49-2011
FX 3NET+SLC FIRE ALARM SYSTEM Planning Instruction	66571759GB1	4-2013
FX 3NET+SLC FIRE ALARM SYSTEM Planning Instruction	66571760GBO	49-2011
FX 3NET+ALC FIRE ALARM SYSTEM Planning Instruction	66571761GBO	49-2011
FX 3NET+ALC FIRE ALARM SYSTEM Planning Instruction	66571762GBO	49-2011
FX 3NET+ALC FIRE ALARM SYSTEM Planning Instruction	66571763GBO	49-2011
FX 3NET Configuration Data	66571783GBO	02-2012
FX 3NET Configuration Data	66571783GB2	40-2012
FX 3NET FIRE ALARM SYSTEM Installation Instruction	66571824GB2	49-2013
FX 3NET FIRE ALARM SYSTEM Installation Instruction	66571825GBO	35-2012

Bilag/Annex: 4

AFVIGELSER

DEVIANCE

The system compatibility between the fire alarm system FX/FXM and FXL/FXS mounted with FX-SLC loop card and tested objects, exists, if the following requirements are met:

- The continuous and instantaneous switching current trough short circuit isolators are less than or equal to 900 mA at 29 VDC loop voltage
- That the EM210E-CZ and EM210E-CZR (conventional zone module) is powered externally.