



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. A-11128
This Certificate consists of 3 pages

This is to certify that
Fire Technical Ancillary Equipment
with type designation

Short Circuit Isolator - XP95
as listed on page 2

Manufactured by
Apollo Fire Detectors Limited
HAVANT, United Kingdom

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and
Det Norske Veritas' Offshore Standards

Application/limitation

Location classes:

Temperature	A
Humidity	B
Vibration	A
EMC	A
Enclosure	A

Place and date
Høvik, 2009-04-17
for DET NORSKE VERITAS AS

Odd Magne Nesvåg

Odd Magne Nesvåg
Head of Section



Local Office
DNV London

This Certificate is valid until
2012-12-31

Kjell Myhrsveen

Kjell Myhrsveen
Surveyor *SM*

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million in this provision. Det Norske Veritas shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: A-11128
File No.: 473.19
Job Id. No.: 262.1-006901

Product description

Short Circuit Isolator: XP95 – Part No. 55000-700MAR
Mounting Base: XP95 – Part No. 45681-211

Application/Limitation

Approved for use with type approved fire alarm central unit using Apollo XP95 Communication Protocol.

Approval Condition

The Type Approval covers hardware listed under Product Description. In each case the hardware is used in application to be classed by DNV, documentation for the actual application is to be submitted for approval by the manufacturer of the application system. Reference to applied hardware as listed above, as well as reference to this certificate is to be made through the instrument and equipment list covering the application system in question.

Reference is made to DNV Rules for Ships Pt. 4 Ch. 9 - Control and Monitoring Systems

Type Approval documentation

Eng. Product Guide:	PP 1039/2008/issue 10
Eng. Design Guide:	PP 1036/1993/issue 2
Schematic Diagram:	55000-700 CD, issue 3B
Ass. Drawing:	55000-700, issue 3 45681-211, issue 1
Inst. Drawing:	55000-700 ID, issue 1
LPC Report:	TE 83982
Retention Survey Report:	2009-02-12, surveyor QUIS

Certificate retention survey

The scope of the retention/renewal survey is to verify that the conditions stipulated for the type are complied with, and that no alterations are made to the product design or choice of systems, software versions, components and/or materials.

The main elements of the survey are:

- Ensure that type approved documentation is available
- Inspection of factory samples, selected at random from the production line (where practicable)
- Review of production and inspection routines, including test records from product sample tests and control routines



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- Ensuring that systems, software versions, components and/or materials used comply with type approved documents and/or referenced system, software, component and material specifications
- Review of possible changes in design of systems, software versions, components, materials and/or performance, and make sure that such changes do not affect the type approval given
- Ensuring traceability between manufacturer's product type marking and the type approval certificate

Retention survey is to be performed at least every second year and at renewal of this certificate.

END OF CERTIFICATE