



Certificate

of
Approval
of
Components and Systems

Holder of the Approval:

Siemens Schweiz AG, Building Technologies Group
Gubelstraße 22

CH-6301 Zug

This approval

is valid only for the specified component/system as submitted for the test

■ together with the parts listed in enclosure 1

■ documented in the technical papers acc. to enclosure 2 (n/a for systems)

■ for application in the specified fire protection and security installations.

Use of the subject matter of the approval, is subject to the hints/comments of enclosure 3.

The validity of the approval can be extended upon application. Application for extension shall be submitted six months before expiry of the current approval at the latest.

This certificate may only be reproduced in its present form without any modification including all enclosures. All changes of the underlying conditions of this approval shall be reported

by registered mail at once to the VdS Certification Body enclosing the required documentation.

Any advertising with this VdS approved component/system shall reflect the correct contents of the certificate and shall not violate the trade practice rules.

<i>Approval No.:</i>	<i>No. of pages:</i>	<i>Valid from:</i>	<i>Valid to:</i>
G 204012	6	13.04.2006	12.04.2010

Subject matter of the Approval:

Control and indicating equipment
Type FC 10

Use:

in Automatic Fire Detection Systems

Basis for approval:

DIN EN 54, Part 2 (1992) - Fire Control and Indicating Equipment

DIN EN 54, Part 4 (1992)) - Power Supply Equipment

VdS 2540 (12/96) - Fire Control and Indicating Equipment

VdS 2541 (12/96) - Power Supply Equipment

VdS 2344 (02/99) - Procedure Guidelines

Köln (Cologne), 23.03.2006

Schüngel

Managing Director

i. V. Lüttenberg

Head of the VdS Certification Body

VdS Schadenverhütung GmbH
Zertifizierungsstelle
Amsterdamer Str. 174
D-50735 Köln

A company of the Gesamtverband der Deutschen Versicherungswirtschaft e.V. (German federation of insurance companies)

Accredited by the "Deutsche Akkreditierungsstelle Technik (DA Tech)" as a certification body for the areas of fire protection and security



DAT-ZE 005/92-32



Enclosure 1

Sheet 2

To Certificate of Approval No. G 204012

Date 23.03.2006

The approved component/system comprises the following parts:

Description of component	Type	Applicant's Registration No.	Approval number of component (only complete for system approval)
<p>Fire Control and Indicating Equipment:</p> <p>FC1008-F</p> <p>FC1012-F</p> <p>consisting of:</p> <p>Batteries 12 V/12 Ah</p> <p>Batteries 12 V/18 Ah</p> <p>and Modules:</p> <p>Housing (8 groups)</p> <p>Housing (12 groups)</p> <p>CPU Module</p> <p>VdS-Interface Card</p> <p>Power Supply Card</p> <p>Indication Module</p> <p>Additional Control Card (Horn)</p> <p>Additional Line Card with SST</p> <p>RS232 Adapter Card</p> <p>ÜE Blocking Card</p> <p>SST-Interface Card</p> <p>Additional Line Card (4 groups)</p> <p>Relay</p>	<p>AX 1212</p> <p>AX 1210</p> <p>FCH1008</p> <p>FCH1012</p> <p>FCM1008</p> <p>FCA1008</p> <p>FCP1001</p> <p>FCA1002</p> <p>FCA1003</p> <p>FCA1004</p> <p>FCA1006</p> <p>FCA1005</p> <p>FCA1000</p> <p>FCA1001</p> <p>Z3B171</p>		



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The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
VdS Test Report No. BMA 02049 dated 13.09.2002			
1. Supplement Test Report No. BMA 04017 dated 10.02.2004			
VdS Software-Test Report No. SW 2001208 dated 13.02.2004			
Housing (8 groups), FCH1008			
Housing (12 groups), FCH1012:			
Cover	PLM-069	05.06.2001	1
Basic Housing	PLM-096	06.06.2001	1
CPU Module FCM1008:	A6E60500049 Rev.1		
Parts List	M4-A6E60500049 Rev.1	05.03	4
Component Mounting Diagram	G4-A6E60500049 Rev.1	05.03	2
Circuit Diagram	S4-A6E60500049 Rev.1	05.03	10
VdS-Interface Card FCA1008:	A6E60500028 Rev.1		
Parts List	M4-A6E60500028 Rev.1	05.03	1
Component Mounting Diagram	G4-A6E60500028 Rev.1	05.03	1
Circuit Diagram	S4-A6E60500028 Rev.1	05.03	2
Power Supply Card FCP1001:	A6E60500051 Rev.1		
Parts List	M4-A6E60500051 Rev.1	05.03	2
Component Mounting Diagram	G4-A6E60500051 Rev.1	05.03	1
Circuit Diagram	S4-A6E60500051 Rev.1	05.03	1

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The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
Indication Module FCA1002:	A6E60500021 Rev.1		
Parts List	M4-A6E60500021 Rev.1	05.03	1
Component Mounting Diagram	G4-A6E60500021 Rev.1	05.03	1
Circuit Diagram	S4-A6E60500021 Rev.1	05.03	1
Additional Control Card (Horn) FCA1003:	A6E60500022 Rev.1		
Parts List	M4-A6E60500022 Rev.1	05.03	1
Component Mounting Diagram	G4-A6E60500022 Rev.1	05.03	2
Circuit Diagram	S4-A6E60500022 Rev.1	05.03	2
Additional Line Card with SST FCA1004:	A6E60500023 Rev.1		
Parts List	M4-A6E60500023 Rev.1	05.03	2
Component Mounting Diagram	G4-A6E60500023 Rev.1	05.03	1
Circuit Diagram	S4-A6E60500023 Rev.1	05.03	3
RS232 Adapter Card FCA1006:	A6E60500025 Rev.1		
Parts List	M4-A6E60500025 Rev.1	05.03	1
Component Mounting Diagram	G4-A6E60500025 Rev.1	05.03	1
Circuit Diagram	S4-A6E60500025 Rev.1	05.03	1
ÜE Block Card FCA1005:	A6E60500024 Rev.1		
Parts List	M4-A6E60500024 Rev.1	05.03	1
Component Mounting Diagram	G4-A6E60500024 Rev.1	05.03	1
Circuit Diagram	S4-A6E60500024 Rev.1	05.03	1



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The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
SST-Interface Card FCA1000:	A6E60500055 Rev.1		
Parts List	M4-A6E60500055 Rev.1	08.03	1
Component Mounting Diagram	G4-A6E60500055 Rev.1	08.03	1
Circuit Diagram	S4-A6E60500055 Rev.1	08.03	1
Additional Line Card (4 groups) FCA1001:			
Parts List	M4-577326.0 Rev.1	05.02	2
Component Mounting Diagram	G4-577326.0 Rev.1	05.02	2
Circuit Diagram	S4-577326.0 Rev.1	05.02	3
Various Documents:			
Operating Manual	007991_a_de_DE	November 2003	44

Enclosure 3**Sheet 1**

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Instructions for the application of the approval component/system (see enclosure 1):

The conventional control and indicating equipment FC 10 consists of 8 or 12 detection lines, depending on the component mounting. If the mounting of the CPU allows to connect 8 detection lines, the type designation is FC1008-F. If the mounting of the CPU allows to connect 12 detection lines, the type designation is FC1012-F.

The control and indicating equipment may be equipped with the standard I/O interface for extinguishing systems consisting of module FCA1000.

It is suitable for the triggering of one extinguishing area.

The control and indicating equipment contains the following EN 54 part 2 options:

- Sect. 7.8: Output to the alarming devices C
- Sect. 7.9: Output to the routing devices for fire alarms E
- Sect. 7.10: Output to the fire protection devices C
- Sect. 7.12: Two detector coincidence
- Sect. 7.13: Alarm counter
- Sect. 8.9: Output to the routing devices for fault signals J
- Sect. 10: Test condition
- Sect. 11: Standardized I/O interface (no full version but a fire brigade control panel acc. to DIN 14661 may be connected)