



Certificate

of Approval of Components and Systems

Holder of the Approval:

COMPUTIONICS Ltd. (Trading as C-TEC)
Stephens Way
GB- Wigan, WN3 6PH

Approval No.:	No. of pages:	Valid from:	Valid to:
G 209196	5	27.11.2009	26.11.2013

Subject matter of the Approval:

Power Supply Equipment
Type BF362-1

Use:

in Automatic Fire Detection and Fire Alarm Systems

Basis for approval:

DIN EN 54-4: 1997-12 + A1 : 2003-03 + A2: 2007-01 - Power
Supply Equipment
VdS 2541: 1996-12 - Power Supply Equipment
VdS 2203: 2001-03 - Software, Requirements and Test Methods
VdS 2344: 2005-12 - Procedure Guidelines

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 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.

Köln (Cologne), 27.11.2009

Schüngel

Managing Director

i.V. Hesels

Head of the VdS Certification Body

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

A company of the German
Insurance Association (GDV)
(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



To Certificate of Approval No. G 209196

Date 27.11.2009

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)
Power Supply Equipment	BF362-1		



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Date 27.11.2009

The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
VdS Test Report No. BMA 09158 dated 20.11.2009 VdS Software Test Report No. SW-2007279 dated 13.11.2008			
BF362-1:			
Documentation			
Kundeninformation Englisch/ Sales Leaflet English	DSF0360000, Rev. 3	29.04.2008	4
Kundeninformation Deutsch/ Sales Leaflet German	DFU0360000 GER, Rev. 3	18.02.2009	4
Installationsanleitung Englisch/ User Instruction English	DFU0003621, Rev. 3	11.11.2009	2
Installationsanleitung Deutsch/ User Instruction German	DFU0360000, Rev. 3	11.11.2009	2
Main Board			
Schaltplan/ Circuit Diagrams 24V 1A charge BF362-1 Power Supply	DFC0702006, Rev. 3 Seite 3 und 4 von 6	10.11.2009	3
Teilkomponente/ Sub Assembly Programming EN54 PSU Program Set up	DTF0360001, Rev. 1	04.01.2008	1
Teilkomponente/ Sub Assembly Testing EN54 PSU Tester	DTF0360000-, Rev. 1	04.01.2008	2



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The approved component/system is described as follows:

Type of document	Manufacturer's identification	Date	Number of Pages
Bestückungsplan und Stückliste/ PCB Layout and Parts List (BOM)	DFA0362024, Rev. 2	09.09.2009	1
BF362-1 PCB Sub Assembly - SMT Stuff details			
BF362-1 PCB Sub Assembly - Conventional Stuff details	DFA0360124, Rev. 3	06.03.2009	1
BF361-3 Display SMT PCB Sub	DFA0003619, Rev. 2	04.03.2009	1
BF361-3 Display Conventional PCB Sub	DFA0003618, Rev. 2	04.03.2009	1
BF362-1: PSU Final Assembly BOM Listing	DFA3621000, Rev. 1	06.03.2009	1
Transformator/ Transformer 27V 1.5A Switch mode Transformer	DFM9045028, Rev. 8	22.05.2009	1
Software Version BF362-1 Source Data	1A05	13.08.2009	
Housing			
Gehäuse/ Box BF362 Variant Box	DFM0362100, Rev. 2	19.03.2008	1
Deckel/ Lid BF362 Lid Metalwork	DFM0362200, Rev. 2	07.03.2008	1
Labels			
Etikett/ Label BF362-1 Panel Rating Label	DFL0362002, Rev. 1	18.11.2009	1
Etikett/ Label BF362 3,5A PSU Fascia Label	DFL0362000, Rev. 2	12.11.2009	1



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

Power supply type BF362-1 is intended for the use in automatic fire detection and fire alarm systems.

In case of a use as power supply for CIE it shall be installed in close proximity to the CIE.

The maximum connectable battery capacity is 19 Ah.

The power supply is not designed for a parallel connection.

The total discharge protection is an integrated element of the power supply.

Technical data BF362-1:

Input voltage:	230 V _{AC} +10/-15 %
Output voltage:	(19.2 ... 30.0) V _{DC}
Ripple:	0,7 %
Output currents I _{maxB} :	1.5 A
I _{maxA} :	(0.5 ... 1.0) A (depending on the used battery capacity)
I _{min} :	12 mA
Max. battery internal resistance R _{imax}	900 mΩ
Ambient temperature:	(-5 ... 40) °C
Rel. humidity:	(5 to 95)%, without condensation