



# Certificate

of  
**Approval**  
of  
**Components and Systems**

*Holder of the Approval:*

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

<i>Approval No.:</i>	<i>No. of pages:</i>	<i>Valid from:</i>	<i>Valid to:</i>
G 209197	5	27.11.2009	26.11.2013

*Subject matter of the Approval:*

**Power Supply Equipment  
Type BF362-5**

*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 certi-  
ficate 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



DAT-ZE 005/92

**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  
(DATech)" as a certification body  
for the areas of fire protection  
and security



To Certificate of Approval No. G 209197

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	BF362-5		



To Certificate of Approval No. G 209197

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 09159 dated 20.11.2009 VdS Software Test Report No. SW-2009202 dated 07.09.2009			
<b>BF362-5:</b>			
<b>Documentation</b>			
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	DFU0003611, Rev. 3	11.11.2009	2
Installationsanleitung Deutsch/ User Instruction German	DFU0360029, Rev. 3	11.11.2009	2
<b>Main Board</b>			
Schaltplan/ Circuit Diagrams BF361-5, BF362-5 Schematic	DFC0361000, Rev. 3	11.11.2009	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) BF362-5 PCB Sub Assembly - SMT Stuff details	DFA0003617, Rev. 3	09.09.2009	1
BF362-5 PCB Sub Assembly - Conventional Stuff details	DFA00003620, Rev. 2	04.03.2008	1
BF362-5 Display SMT PCB Sub	DFA0003619, Rev. 2	04.03.2009	1
BF361-5 Display Conventional PCB Sub	DFA0003618, Rev. 2	04.03.2009	1
BF362-5: PSU Final Assembly BOM Listing	DFA3625000, Rev. 1	13.02.2009	1
Transformator/ Transformer 27V Switch mode Transformer 150 VA	DAM8150028, Rev. 1	11.06.2008	1
Software Version BF362-5 Source Data	1A05	13.08.2009	
<b>Housing</b>			
Gehäuse/ Box BF362 Variant Box	DFM0362100, Rev. 2	19.03.2008	1
Deckel/ Lid BF362 Lid Metalwork	DFM0362200, Rev. 2	07.03.2008	1
<b>Labels</b>			
Etikett/ Label 5A 24V Panel Rating Label	DFL0361005, Rev. 1	04.02.2008	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 BF362-5 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 18 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 BF362-5:

Input voltage:	230 V <sub>AC</sub> +10/-15 %
Output voltage:	(19.2 ... 30.0) V <sub>DC</sub>
Ripple:	0,8 %
Output currents I <sub>maxB</sub> :	5 A
I <sub>maxA</sub> :	(4.0 ... 4.6) A
I <sub>min</sub> :	(depending on the used battery capacity) 12 mA
Max. battery internal resistance R <sub>imax</sub>	300 mΩ
Ambient temperature:	(-5 ... 40) °C
Rel. humidity:	(5 to 95)%, without condensation