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## **Certificate of Product Approval**

Certificate Number: 681bb-(cl-2)

lssue: 01

## Tyco Fire & Security GmbH

Victor Von bruns-Strasse 21, 8212 Neuhausen am Rheinfall, Schaffhausen, Switzerland

is certified by BRE Global Ltd. and is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirement(s) of the standards as detailed below:

#### **Products**

**Control and Indicating equipment** FC602S FC604S FC602S Lite Scandinavian FC604S Lite Scandinavian FC32AR FC32DR FC32DR-S FC32DR-S (refer to Appendix for details)

#### **Standards**

EN 54-2:1997 + A1:2006 EN 54-4:1997 + A1:2002 + A2:2006

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## Appendix to Certificate No: 681bb-(cl-2)

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### Tyco Fire & Security GmbH

Certified Product	Description	LPCB Ref.No.
-C602S	1-2 Loop Analogue Addressable Control and Indicating Equipment, Shallow	681bb/01
	Housing	
	FireClass (557.200.650)	
	Incorporating the following modules:	
	PFI801-FC Field Interface	
	CUI Colour User Interface	
	BAW75T24 2.5 A PSU	
	Incorporating the following optional modules:	
	PNI800 Panel Network Interface	
	FB800 Fuse Board	
	Certified with the following options with requirements from EN54-2:	
	7.8 Output to fire alarm device(s)	
	7.9.1 Output to fire alarm routing equipment	
	7.9.2 Alarm confirmation input from fire alarm routing equipment	
	7.10.1 Output to fire protection equipment- Output type A	
	7.10.2 Output to fire protection equipment- Output type B	
	7.10.3 Output to fire protection equipment- Output type C	
	7.10.4 Fault monitoring of fire protection equipment	
	7.11 Delays to outputs	
	7.12.1 Dependencies on more than one alarm signal- Type A	
	7.12.2 Dependencies on more than one alarm signal -Type B	
	7.12.3 Dependencies on more than one alarm signal -Type C	

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Certified Product	Description				
	7.13 Alarm	n counter			
	8.3 Fault	signals from points			
	8.9 Outpu	ut to fault warning routing equipment			
	9.5 Disab	lement of each address point			
	10 Test o	condition			
	11 Outpu	ut to standardised input/output interface			
	Notes:				
	1. Scope of ap	proval does not include the operation of the network functionality			
	2. This produc	t approval does not constitute compliance with the fire detection			
	and alarm system requirements of EN54-13.				
FC604S	2-4 Loop Anal Housing	ogue Addressable Control and Indicating Equipment, Shallow	681bb/02		
	FireClass	(557.200.651)			
	Incorporating	the following modules:			
	PFI801-FC	Field Interface			
	CUI	Colour User Interface			
	BAQ140T24	5 A PSU			
	Incorporating the following optional modules:				
	PNI800	Profile Network Interface			
	FB800	Fuse Board			
	Certified with	the following options with requirements from EN54-2:			
	7.8 Out	put to fire alarm device(s)			

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Certified Product		Description	LPCB Ref.No.
	7.9.1	Output to fire alarm routing equipment	
	7.9.2	Alarm confirmation input from fire alarm routing equipment	
	7.10.1	Output to fire protection equipment- Output type A	
	7.10.2	Output to fire protection equipment- Output type B	
	7.10.3	Output to fire protection equipment- Output type C	
	7.10.4	Fault monitoring of fire protection equipment	
	7.11	Delays to outputs	
	7.12.1	Dependencies on more than one alarm signal- Type A	
	7.12.2	Dependencies on more than one alarm signal -Type B	
	7.12.3	Dependencies on more than one alarm signal -Type C	
	7.13	Alarm counter	
	8.3	Fault signals from points	
	8.9	Output to fault warning routing equipment	
	9.5	Disablement of each address point	
	10	Test condition	
	11	Output to standardised input/output interface	
	2. This p	e of approval does not include the operation of the network functionality roduct approval does not constitute compliance with the fire detection a alarm system requirements of EN54-13.	
FC602S Lite Scandinavian	Housing	o Analogue Addressable Control and Indicating Equipment, Shallow Class Scandinavian (557.200.652)	681bb/06

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Certified Product		Description	LPCB Ref.No.
	Incorpor	ating the following modules:	
	PFI801-F	C Field Interface	
	CUI	Colour User Interface	
	BAW75T	24 2.5 A PSU	
	Incorpor	ating the following optional units:	
	PN1800	Panel Network Interface	
	FB800	Fuse Board	
	Certified	with the following options with requirements from EN54-2:	
	7.8	Output to fire alarm device(s)	
	7.9.1	Output to fire alarm routing equipment	
	7.9.2	Alarm confirmation input from fire alarm routing equipment	
	7.10.1	Output to fire protection equipment- Output type A	
	7.10.2	Output to fire protection equipment- Output type B	
	7.10.3	Output to fire protection equipment- Output type C	
	7.10.4	Fault monitoring of fire protection equipment	
	7.11	Delays to outputs	
	7.12.1	Dependencies on more than one alarm signal- Type A	
	7.12.2	Dependencies on more than one alarm signal -Type B	
	7.12.3	Dependencies on more than one alarm signal -Type C	
	7.13	Alarm counter	
	8.3	Fault signals from points	
	8.9	Output to fault warning routing equipment	
	9.5	Disablement of each address point	

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Product Ref.No. 10 Test condition 11 Output to standardised input/output interface Notes: 1. Scope of approval does not include the operation of the network functionality 2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13. FC604S Lite 2-4 Loop Analogue Addressable Control and Indicating Equipment, Shallow 681bb/07 Scandinavian Housing FireClass Scandinavian (557.200.653) Incorporating the following Modules: PFI800-FC Field Interface CUI Colour User Interface BAQ140T24 5 A PSU Incorporating the following optional units: PNI800 Panel Network Interface FB800 Fuse Board Certified with the following options with requirements from EN54-2: 7.8 Output to fire alarm device(s) 7.9.1 Output to fire alarm routing equipment 7.9.2 Alarm confirmation input from fire alarm routing equipment 7.10.1 Output to fire protection equipment- Output type A 7.10.2 Output to fire protection equipment- Output type B

Description

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### Appendix to Certificate No: 681bb-(cl-2) Tyco Fire & Security GmbH

Certified LPCB Description Product Ref.No. Output to fire protection equipment- Output type C 7.10.3 7.10.4 Fault monitoring of fire protection equipment 7.11 Delays to outputs 7.12.1 Dependencies on more than one alarm signal- Type A 7.12.2 Dependencies on more than one alarm signal -Type B 7.12.3 Dependencies on more than one alarm signal -Type C 7.13 Alarm counter 8.3 Fault signals from points 8.9 Output to fault warning routing equipment 9.5 Disablement of each address point 10 Test condition 11 Output to standardised input/output interface Notes: 1. Scope of approval does not include the operation of the network functionality 2. This product approval does not constitute compliance with the fire detection and alarm system requirements of EN54-13. FC32AR 32 Zone AC Repeater, FireClass 557.202.914 681bb/R01 Incorporating the following modules: CUI-R Repeater Colour User Interface PMM800 Power Monitor Module BAW75T24 Power Supply Unit, 2.5 A

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### Tyco Fire & Security GmbH

Certified Product	Description	LPCB Ref.No.
	Note: Approved for use with the FC602S, FC604S, FC602S Lite Scandinavian and FC604S Lite Scandinavian	
FC32DR	32 Zone DC Repeater, FireClass 557.202.915	681bb/R02
	Incorporating the following modules:	
	CUI-R Repeater Colour User Interface	
	Note: Approved for use with the FC602S, FC604S, FC602S Lite Scandinavian and FC604S Lite Scandinavian	
FC32AR-S	32 Zone AC Repeater, FireClass Scandinavian (557.200.656)	681bb/R05
	Incorporating the following modules:	
	CUI-R Repeater Colour User Interface	
	PMM800 Power Monitor Module	
	BAW75T24 Power Supply Unit, 2.5 A	
	Note: Approved for use with the FC602S Lite Scandinavian and FC604S Lite Scandinavian	
FC32DR-S	32 Zone DC Repeater, FireClass Scandinavian (557.200.657)	681bb/R06
	Incorporating the following modules:	
	CUI-R Repeater Colour User Interface	
	Note: Approved for use with the FC602S Lite Scandinavian and FC604S Lite Scandinavian	

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