

# Certificate of Product Approval

Certificate Number: 681au-(cl-2) Issue: 04



### **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**

FC702S

FC702D

FC718D

FC708D

FC8AS

(refer to Appendix for details)

#### **Standards**

EN 54-2:1997 + A1:2006

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

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S. David

1 February 2024

20 May 2019

Signed for BRE Global Ltd

Verifier

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### **Tyco Fire & Security GmbH**

Certified Product		Description	LPCB Ref.No.
FC702S	1-2 Loops Anal	ogue Addressable Control & Indicating Equipment, Shallow Housing	681au/01
	Incorporating t FC1DS PFI800 PSU	he following units: Profile User Interface Profile Panel Field Interface Board Power Supply Unit (BAQ140T24)	
	Incorporating to ProR1DS PNI800 FOM800 PCS800 FB800 TUD800 IOB800 FBI800 PS-12170 557.202.146 557.202.145  Certified with to 7.8 Outputo 7.9.1 Outputo 7.9.2 Alarmore 7.10.1 Outputo 7.10.	he following optional units: Profile Reduced User Interface Profile Network Interface Slot Card Fibre Optic Module Profile Ethernet switch Fuse Board Triggering Board for transmission unit Input/ Output Expansion Board Fire Brigade Interface 2x17Ah Batteries FireClass Connected Service Gateway (internal) EN 54 Gateway Cell Module  he following options with requirements from EN54-2: t to fire alarm devices t to fire alarm routing equipment confirmation input from fire alarm routing equipment t type A	
	7.10.4 Fault r 7.11 Delays	t type B t type C monitoring of fire protection equipment s to outputs Idencies on more than one alarm signal - Type A	

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### **Tyco Fire & Security GmbH**

Certified Product		Description	LPCB Ref.No.
		cies on more than one alarm signal - Type B	
	· ·	cies on more than one alarm signal - Type C	
	7.13 Alarm coul		
		Is from points	
		fault warning routing equipment nt of each address point	
	10 Test condit	·	
		standardised input/output interface	
		standardised input, output interrace	
	Notes:		
	1. Scope of approval does not include the operation of the network functionality.		
	2. This product appr	roval does not constitute compliance with the fire detection and	
	-	equirements of EN54-13.	
FC702D	1-2 Loops Analogue Addressable Control & Indicating Equipment, Deep Housing		681au/02
	Incorporating the following units:		
	FC1DS	Profile User Interface	
	PFI800	Profile Panel Field Interface Board	
	PSC400	Profile Backplane 4 Slots	
	PSU	Power Supply Unit (BAQ140T24)	
	Incorporating the fo	ollowing optional units:	
	ProR1DS	Profile Reduced User Interface	
	PNI800	Profile Network Interface Slot Card	
	FOM800	Fibre Optic Module	
	PCS800	Profile Ethernet switch	
	POS800-S	Fibre Optic Switch Single Mode	
	POS800-M	Fibre Optic Switch Multi Mode	
	FB800	Fuse Board	
	CD5.241	DC-DC Converter (24V input and 24V output)	

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### **Tyco Fire & Security GmbH**

Certified Product		Description	LPCB Ref.No.
	TUD800	Triggering Board for transmission unit	
	SM3	Serial Interface to FAT	
	IOB800	Input/ Output Expansion Board	
	FBI800	Fire Brigade Interface	
	PS-12380	2x38Ah Batteries	
	557.202.146	FireClass Connected Service Gateway (internal)	
	557.202.145	EN 54 Gateway Cell Module	
	Certified with	the following options with requirements from EN54-2:	
	7.8 Outp	ut to fire alarm devices	
	7.9.1 Outp	ut to fire alarm routing equipment	
	7.9.2 Alarn	n confirmation input from fire alarm routing equipment	
	7.10.1 Outp	out type A	
	7.10.2 Outp	out type B	
	7.10.3 Outp	ut type C	
	7.10.4 Fault	monitoring of fire protection equipment	
	7.11 Delay	ys to outputs	
	7.12.1 Depe	endencies on more than one alarm signal – Type A	
	7.12.2 Depe	endencies on more than one alarm signal – Type B	
	7.12.3 Depe	endencies on more than one alarm signal – Type C	
	7.13 Alarn	n counter	
	8.3 Fault	signals from points	
	8.9 Outp	ut to fault warning routing equipment	
	9.5 Disab	plement of each address point	
	10 Test	condition	
	11 Outp	ut to standardised input/output interface	
	Notes:		
	1. Scope of ap	proval does not include the operation of the network functionality.	

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Certified Product		Description	LPCB Ref.No.
		t approval does not constitute compliance with the fire detection and	
		ems requirements of EN54-13.	
FC718D	4-8 Loops Ana	logue Addressable Control & Indicating Equipment	681au/04
	Incorporating the following units:		
	FC1DS	Profile User Interface	
	PFI800	Profile Panel Field Interface Board	
	PSC400	Profile Backplane 4 Slots	
	PSU	Power Supply Unit (BAQ140T24)	
	Incorporating the following optional units:		
	ProR1DS	Profile Reduced User Interface	
	PNI800	Profile Network Interface Slot Card	
	FOM800	Fibre Optic Module	
	PLX800	Profile Loop Expansion Slot Card	
	PCS800	Profile Ethernet switch	
	POS800-S	Fibre Optic Switch Single Mode	
	POS800-M	Fibre Optic Switch Multi Mode	
	FB800	Fuse Board	
	CD5.241	DC-DC Converter (24V input and 24V output )	
	TUD800	Triggering Board for transmission unit	
	SM3	Serial Interface to FAT	
	IOB800	Input/ Output Expansion Board	
	FBI800	Fire Brigade Interface	
	PS-12380	2x38Ah Batteries	
	557.202.146	FireClass Connected Service Gateway (internal)	
	557.202.145	EN 54 Gateway Cell Module	
		the following options with requirements from EN54-2:	
	7.8 Outp	ut to fire alarm devices	

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Certified Product	Description	LPCB Ref.No.	
	<ul> <li>7.9.1 Output to fire alarm routing equipment</li> <li>7.9.2 Alarm confirmation input from fire alarm routing equipment</li> <li>7.10.1 Output type A</li> </ul>		
	<ul><li>7.10.2 Output type B</li><li>7.10.3 Output type C</li><li>7.10.4 Fault monitoring of fire protection equipment</li></ul>		
	<ul> <li>7.11 Delays to outputs</li> <li>7.12.1 Dependencies on more than one alarm signal - Type A</li> <li>7.12.2 Dependencies on more than one alarm signal - Type B</li> </ul>		
	<ul> <li>7.12.3 Dependencies on more than one alarm signal - Type C</li> <li>7.13 Alarm counter</li> <li>8.3 Fault signals from points</li> </ul>		
	<ul> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of each address point</li> <li>10 Test condition</li> </ul>		
	Notes:		
	<ol> <li>Scope of approval does not include the operation of the network functionality.</li> <li>This product approval does not constitute compliance with the fire detection and fire alarm systems requirements of EN54-13.</li> </ol>		
FC708D	4-8 Loops Analogue Addressable Control & Indicating Equipment	681au/05	
	Incorporating the following units:		
	FC1DS Profile User Interface		
	PFI800 Profile Panel Field Interface Board PSC400 Profile Backplane 4 Slots		
	PSC400 Profile Backplane 4 Slots PZ8x 80way Zonal Display		
	PSU Power Supply Unit (BAQ140T24)		

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Certified Product		Description	LPCB Ref.No.
	ProR1DS PNI800 FOM800 PLX800 PCS800 POS800-S POS800-M FB800 CD5.241 TUD800 SM3 IOB800 PZ4x FBI800 PS-12380	Profile Reduced User Interface Profile Network Interface Slot Card Fibre Optic Module Profile Loop Expansion Slot Card Profile Ethernet switch Fibre Optic Switch Single Mode Fibre Optic Switch Multi Mode Fuse Board DC-DC Converter (24V input and 24V output ) Triggering Board for transmission unit Serial Interface to FAT Input/ Output Expansion Board 40way Zonal Display Fire Brigade Interface 2x38Ah Batteries FireClass Connected Service Gateway (internal) EN 54 Gateway Cell Module	
	7.8 Output 7.9.1 Output 7.9.2 Alarm 7.10.1 Output 7.10.2 Output 7.10.3 Output 7.10.4 Fault m 7.11 Delays 7.12.1 Depend	type B	

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Certified Product		Description	LPCB Ref.No.	
		Dependencies on more than one alarm signal - Type C		
		Alarm counter Fault signals from points		
		Output to fault warning routing equipment		
		Disablement of each address point		
		est condition		
		Output to standardised input/output interface		
	Notes:			
		<ol> <li>Scope of approval does not include the operation of the network functionality.</li> <li>This product approval does not constitute compliance with the fire detection and</li> </ol>		
	fire alarm	systems requirements of EN54-13.		
FC8AS	Repeater Panel		681au/R01	
	Approved for use with the FC702S, FC702D, FC718D, FC708D Control & Indicating			
	Equipment			
		ting the following modules:		
	FC1DS	Profile User Interface		
	PZ8x	Profile 80 Way Zone Display		
	PMM800	Profile Supply Module		
	BAW75T2	4 Power Supply Unit		

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