

## 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

#### Standards

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

(refer to Appendix for details)

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Signed for BRE Global Ltd

S. David

Verifier

1 February 2024

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

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### Tyco Fire & Security GmbH

Certified Product	Description	LPCB Ref.No.																																														
FC702S	<p>1-2 Loops Analogue Addressable Control &amp; Indicating Equipment, Shallow Housing</p> <p>Incorporating the following units:</p> <table><tr><td>FC1DS</td><td>Profile User Interface</td></tr><tr><td>PFI800</td><td>Profile Panel Field Interface Board</td></tr><tr><td>PSU</td><td>Power Supply Unit (BAQ140T24)</td></tr></table> <p>Incorporating the following optional units:</p> <table><tr><td>ProR1DS</td><td>Profile Reduced User Interface</td></tr><tr><td>PNI800</td><td>Profile Network Interface Slot Card</td></tr><tr><td>FOM800</td><td>Fibre Optic Module</td></tr><tr><td>PCS800</td><td>Profile Ethernet switch</td></tr><tr><td>FB800</td><td>Fuse Board</td></tr><tr><td>TUD800</td><td>Triggering Board for transmission unit</td></tr><tr><td>IOB800</td><td>Input/ Output Expansion Board</td></tr><tr><td>FBI800</td><td>Fire Brigade Interface</td></tr><tr><td>PS-12170</td><td>2x17Ah Batteries</td></tr><tr><td>557.202.146</td><td>FireClass Connected Service Gateway (internal)</td></tr><tr><td>557.202.145</td><td>EN 54 Gateway Cell Module</td></tr></table> <p>Certified with the following options with requirements from EN54-2:</p> <table><tr><td>7.8</td><td>Output to fire alarm devices</td></tr><tr><td>7.9.1</td><td>Output to fire alarm routing equipment</td></tr><tr><td>7.9.2</td><td>Alarm confirmation input from fire alarm routing equipment</td></tr><tr><td>7.10.1</td><td>Output type A</td></tr><tr><td>7.10.2</td><td>Output type B</td></tr><tr><td>7.10.3</td><td>Output type C</td></tr><tr><td>7.10.4</td><td>Fault monitoring of fire protection equipment</td></tr><tr><td>7.11</td><td>Delays to outputs</td></tr><tr><td>7.12.1</td><td>Dependencies on more than one alarm signal - Type A</td></tr></table>	FC1DS	Profile User Interface	PFI800	Profile Panel Field Interface Board	PSU	Power Supply Unit (BAQ140T24)	ProR1DS	Profile Reduced User Interface	PNI800	Profile Network Interface Slot Card	FOM800	Fibre Optic Module	PCS800	Profile Ethernet switch	FB800	Fuse Board	TUD800	Triggering Board for transmission unit	IOB800	Input/ Output Expansion Board	FBI800	Fire Brigade Interface	PS-12170	2x17Ah Batteries	557.202.146	FireClass Connected Service Gateway (internal)	557.202.145	EN 54 Gateway Cell Module	7.8	Output to fire alarm devices	7.9.1	Output to fire alarm routing equipment	7.9.2	Alarm confirmation input from fire alarm routing equipment	7.10.1	Output type A	7.10.2	Output type B	7.10.3	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	681au/01
FC1DS	Profile User Interface																																															
PFI800	Profile Panel Field Interface Board																																															
PSU	Power Supply Unit (BAQ140T24)																																															
ProR1DS	Profile Reduced User Interface																																															
PNI800	Profile Network Interface Slot Card																																															
FOM800	Fibre Optic Module																																															
PCS800	Profile Ethernet switch																																															
FB800	Fuse Board																																															
TUD800	Triggering Board for transmission unit																																															
IOB800	Input/ Output Expansion Board																																															
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7.12.1	Dependencies on more than one alarm signal - Type A																																															

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

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### Tyco Fire & Security GmbH

Certified Product	Description	LPCB Ref.No.
	<div>7.12.2 Dependencies on more than one alarm signal - Type B</div> <div>7.12.3 Dependencies on more than one alarm signal - Type C</div> <div>7.13 Alarm counter</div> <div>8.3 Fault signals from points</div> <div>8.9 Output to fault warning routing equipment</div> <div>9.5 Disabling of each address point</div> <div>10 Test condition</div> <div>11 Output to standardised input/output interface</div> <div>Notes:</div> <div>1. Scope of approval does not include the operation of the network functionality.</div> <div>2. This product approval does not constitute compliance with the fire detection and fire alarm systems requirements of EN54-13.</div>	
FC702D	<div>1-2 Loops Analogue Addressable Control &amp; Indicating Equipment, Deep Housing</div> <div>Incorporating the following units:</div> <div><div>FC1DS</div><div>Profile User Interface</div></div> <div><div>PFI800</div><div>Profile Panel Field Interface Board</div></div> <div><div>PSC400</div><div>Profile Backplane 4 Slots</div></div> <div><div>PSU</div><div>Power Supply Unit (BAQ140T24)</div></div> <div>Incorporating the following optional units:</div> <div><div>ProR1DS</div><div>Profile Reduced User Interface</div></div> <div><div>PNI800</div><div>Profile Network Interface Slot Card</div></div> <div><div>FOM800</div><div>Fibre Optic Module</div></div> <div><div>PCS800</div><div>Profile Ethernet switch</div></div> <div><div>POS800-S</div><div>Fibre Optic Switch Single Mode</div></div> <div><div>POS800-M</div><div>Fibre Optic Switch Multi Mode</div></div> <div><div>FB800</div><div>Fuse Board</div></div> <div><div>CD5.241</div><div>DC-DC Converter (24V input and 24V output)</div></div>	681au/02

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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	
<p>Certified with the following options with requirements from EN54-2:</p> <ul style="list-style-type: none"> <li>7.8 Output to fire alarm devices</li> <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> <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> <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> <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> <li>8.9 Output to fault warning routing equipment</li> <li>9.5 Disablement of each address point</li> <li>10 Test condition</li> <li>11 Output to standardised input/output interface</li> </ul> <p>Notes:</p> <ul style="list-style-type: none"> <li>1. Scope of approval does not include the operation of the network functionality.</li> </ul>		

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### Tyco Fire & Security GmbH

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

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

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### Tyco Fire & Security GmbH

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 type A 7.10.2 Output type B 7.10.3 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  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 fire alarm systems requirements of EN54-13.	
FC708D	4-8 Loops Analogue Addressable Control & Indicating Equipment  Incorporating the following units: FC1DS Profile User Interface PFI800 Profile Panel Field Interface Board PSC400 Profile Backplane 4 Slots PZ8x 80way Zonal Display PSU Power Supply Unit (BAQ140T24)	681au/05

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### Tyco Fire & Security GmbH

Certified Product	Description	LPCB Ref.No.
	<p>Incorporating the following optional units:</p> <p>ProR1DS Profile Reduced User Interface</p> <p>PNI800 Profile Network Interface Slot Card</p> <p>FOM800 Fibre Optic Module</p> <p>PLX800 Profile Loop Expansion Slot Card</p> <p>PCS800 Profile Ethernet switch</p> <p>POS800-S Fibre Optic Switch Single Mode</p> <p>POS800-M Fibre Optic Switch Multi Mode</p> <p>FB800 Fuse Board</p> <p>CD5.241 DC-DC Converter (24V input and 24V output )</p> <p>TUD800 Triggering Board for transmission unit</p> <p>SM3 Serial Interface to FAT</p> <p>IOB800 Input/ Output Expansion Board</p> <p>PZ4x 40way Zonal Display</p> <p>FBI800 Fire Brigade Interface</p> <p>PS-12380 2x38Ah Batteries</p> <p>557.202.146 FireClass Connected Service Gateway (internal)</p> <p>557.202.145 EN 54 Gateway Cell Module</p> <p>Certified with the following options with requirements from EN54-2:</p> <p>7.8 Output to fire alarm devices</p> <p>7.9.1 Output to fire alarm routing equipment</p> <p>7.9.2 Alarm confirmation input from fire alarm routing equipment</p> <p>7.10.1 Output type A</p> <p>7.10.2 Output type B</p> <p>7.10.3 Output type C</p> <p>7.10.4 Fault monitoring of fire protection equipment</p> <p>7.11 Delays to outputs</p> <p>7.12.1 Dependencies on more than one alarm signal - Type A</p> <p>7.12.2 Dependencies on more than one alarm signal - Type B</p>	

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### Tyco Fire & Security GmbH

Certified Product	Description	LPCB Ref.No.
	<p>7.12.3 Dependencies on more than one alarm signal - Type C</p> <p>7.13 Alarm counter</p> <p>8.3 Fault signals from points</p> <p>8.9 Output to fault warning routing equipment</p> <p>9.5 Disabling of each address point</p> <p>10 Test condition</p> <p>11 Output to standardised input/output interface</p> <p>Notes:</p> <p>1. Scope of approval does not include the operation of the network functionality.</p> <p>2. This product approval does not constitute compliance with the fire detection and fire alarm systems requirements of EN54-13.</p>	
FC8AS	<p>Repeater Panel</p> <p>Approved for use with the FC702S, FC702D, FC718D, FC708D Control &amp; Indicating Equipment</p> <p>Incorporating the following modules:</p> <p>FC1DS Profile User Interface</p> <p>PZ8x Profile 80 Way Zone Display</p> <p>PMM800 Profile Supply Module</p> <p>BAW75T24 Power Supply Unit</p>	681au/R01

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