

PAVIRO

DECLARATION OF PERFORMANCE

DECLARATION OF PERFORMANCE

№. F01U298639-DPU.2 (UKCA DoP EN54-16 EN54-4 PAVIRO)

1. Unique identification code of the product-type: PAVIRO, See page 4.
2. Intended use/es: Fire safety.
3. Manufacturer: Bosch Security Systems, Torenallee 49, 5617 BA Eindhoven, The Netherlands.
5. System/s AVCP: System 1.
- 6a. Designated standard: EN54-16: 2008, EN54-4:1997 + AC:1999 + A1: 2002 + A2: 2006
Approved body/ies: BRE 0832 (UK)
7. Declared performance:

Essential characteristics	Performance	Harmonised technical specification
Performance under fire condition	In compliance NPD	EN54-16: 2008: 4, 5, 7, 10, 12, 16.5, 16.6, 16.7 7.4, 7.8
Response delay (response time to fire)	In compliance NPD	EN54-16: 2008: 7.1, 12 7.4, 7.8
Operational reliability	In compliance NPD	EN54-16: 2008: 4, 5, 6, 7, 8, 12, 13, 14 7.4, 7.8, 9, 11
Durability of operational reliability Temperature resistance	In compliance NPD *	EN54-16: 2008: 16.4, 16.8 16.4, 16.8
Durability of operational reliability Impact and vibration resistance	In compliance NPD *	EN54-16: 2008: 16.11, 16.12, 16.13 16.11, 16.12, 16.13
Durability of operational reliability Electrical stability	In compliance NPD *	EN54-16: 2008: 16.14, 16.15 16.14, 16.15
Durability of operational reliability Humidity resistance	In compliance NPD *	EN54-16: 2008: 16.9, 16.10 16.9, 16.10

Performance of power supply	In compliance	EN54-4:1997 + AC:1999 + A1: 2002 + A2: 2006 4, 5, 6
Operational reliability	In compliance	EN54-4:1997 + AC:1999 + A1: 2002 + A2: 2006 4, 5, 6, 7, 8
Durability of operational reliability Temperature resistance	In compliance	EN54-4:1997 + AC:1999 + A1: 2002 + A2: 2006 9.5
Durability of operational reliability vibration resistance	In compliance	EN54-4:1997 + AC:1999 + A1: 2002 + A2: 2006 9.7, 9.8, 9.15
Durability of operational reliability Electrical stability	In compliance	EN54-4:1997 + AC:1999 + A1: 2002 + A2: 2006 9.9, 9.10, 9.11, 9.12, 9.13
Durability of operational reliability Humidity resistance	In compliance	EN54-4:1997 + AC:1999 + A1: 2002 + A2: 2006 9.6, 9.14

NPD * : PVA-1WEOL , PLN-1EOL

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011 as it has effect in the United Kingdom, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Lars van den Heuvel, representative of vice president Business Unit

Eindhoven 12-9-2022

A handwritten signature in black ink, appearing to read 'Lars van den Heuvel', written in a cursive style.

Josef Taffner, representative of R&D manager Business Unit

Eindhoven 12-9-2022

A handwritten signature in black ink, appearing to read 'Josef Taffner', written in a cursive style.

PAVIRO :

CTN	Description	EN54-16	EN54-4	FW version
PVA-4CR12	PAVIRO Controller	X		1.22.0
PVA-4R24	PAVIRO Router	X		1.7.5
PVA-2P500	PAVIRO 2x500W Amplifier	X	X	1.1.0
PVA-15CST	PAVIRO Call Station	X		2.5.1
PVA-15ECS	PAVIRO Emergency Call Station	X		2.5.1
PVA-20CSE	PAVIRO Call Station Extension	X		
PVA-1KS	PAVIRO CST Keyswitch	X		
PVA-1EB	PAVIRO CST Emergency button	X		
PLN-24CH12	Power Supply/Charger	X	X	70003
OM-1	Network Module	X		1.7.224
LT-L802GBTME/BO	Network Switch	X		3.0.3b
Rittal - TS8 (TS-IT <42HU) & (TS <40HU)	19"Rack	X	X	
Schroff (20130073 PRAESIDEO)	19"Rack	X	X	
Knürr GmbH - Miracel 2 configurable rack platforms	19"Rack	X	X	
E.Lan - Diamond floorstanding modular enclosures	19"Rack	X	X	
Rittal VX-25 Cabinet	19"Rack	X	X	

Notes:

- The VACIE is approved when connected to PLN-1EOL or PVA-1WEOL end of line board or with activated impedance measurement.
- The VACIE speaker lines are monitored by use of end line modules namely PLN-1EOL end of line board, PVA-1WEOL addressable end of line board or impedance measurement.
- The PVA-15CST call station requires the PVA-1KS and PVA-1EB in order to meet option with requirement clause 10 and 12 of EN 54-16.
- The PVA-20CSE is approved when connected with PVA-15CST call station.
- The following IP30 cabinets have been approved for use with PAVIRO:
 - Rittal TS8 based rack, with a lockable glass door, side panels, temperature controlled top fans and having a fixed frame wit a maximum height of 42 HU (i.e. TS-IT series) or a lockable swing frame with a maximum height of 40 HU (i.e. TS-series).
 - Schroff (20130073 PRAESIDEO)
 - Diamond range of floorstanding modular enclosures (Manufacturer E.Lan)
 - Knuerr Miracel 2 condigurable rack platforms (manufacturer Knürr GmbH)
 - Rittal VX-25 Cabinet
- The following SFP Modules have been approved for use with PAVIRO when connected to the network switch LT-L802GBTME/BO:
 - AC-SFP-LX-E-10 Single mode 1310nm SFP Module
 - AC-SFP-SX-E Multi-mode 850nm SFP Module
- This certificate is valid only when the installation has been performed in accordance with the "EN54-16 Installer checklist".


