



UNITED KINGDOM CONFORMITY ASSESSMENT

1 **UK TYPE EXAMINATION CERTIFICATE**

2 Component intended for use in a Product or Protective System for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

3 Certificate Number: **CSAE 22UKEX1099U** Issue: **1**

4 Product: **Feed-through terminal block and protective-conductor terminal block,
 Type PTV 2,5-... *(-PE), Type PTV 4-... *(-PE), Type PTV 6-... *(-PE)**

5 Manufacturer: **PHOENIX CONTACT GmbH & Co. KG**

6 Address: Flachsmarkstraße 8
 Blomberg
 North Rhine-Westphalia
 D-32825, Germany

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 CSA Group Testing UK Limited, Approved Body number 0518, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations. The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 EN 60079-7:2015+ A1:2018

Except in respect of those requirements listed at Section 16 of the schedule to this certificate. The above standards may not appear on the UKAS Scope of Accreditation, but have been added through flexible scope of accreditation, which is available on request.

10 The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as the basis for certification of an equipment or protective system. Any limitations are listed in Section 15.

11 This UK TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of this product shall be in accordance with Regulation 41 and include the following:



II 2 G
 Ex eb IIC Gb
 Ta = -60°C to +110°C

Name: Michelle Halliwell
 Title: Director of Operations



**UKUK
CANI**

Certificate No. **CSAE22UKEX1099U**
 CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
 This certificate and its schedules may only be reproduced in its entirety and without change

DQD544.22 Issue 2 (2021-04-23)

Page 1 of 5



SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

CSAE 22UKEX1099U

Issue 1

13 DESCRIPTION OF PRODUCT

The feed-through terminal blocks type PTV... * and the protective-conductor terminal blocks, type PTV...-PE, consist of an insulating housing (polyamide PA 6.6) in different colours, current bar(s) equipped with springs (screwless-type clamping units) and release lever.

The terminal blocks serve to connect copper conductors in terminal compartments designed to Increased Safety "eb" and protection by enclosure "ta, tb, tc". The fixing is made on mounting rails according to IEC 60715-TH 35. Accessories are jumper type FBS..., cover type D-PTV 2,5/4/6... and partition plates type ATP-ST...

Technical Data

	PTV 2.5 * PTV 2.5-TWIN * PTV 2.5-QUATTRO *	PTV 4 * PTV 4-TWIN * PTV 4-QUATTRO *	PTV 6 * PTV 6-TWIN * PTV 6-QUATTRO *
Rated Insulation voltage	500 V	500 V	500 V
Rated voltage	550 V	550 V	550 V
Rated insulation voltage at			
- Bridging with jumper FBS...	500 V	500 V	500 V
- Bridging between non-adjacent terminal blocks	320 V	320 V	320 V
- At bridging between non-adjacent terminal blocks via PE terminal block	-	-	320 V
- cut-to length bridging	250 V	250 V	200 V
- cut-to length bridging with cover type D-PTV 2,5/4	250 V	250 V	250 V
- cut-to length bridging with partition plate type ATP-ST 4	500 V	-	-
- cut-to length bridging with partition plate type ATP-ST 6	-	500V	-
Rated voltage at			
- Bridging with jumper FBS...	550 V	550 V	550 V
- Bridging between non-adjacent terminal blocks	352 V	352 V	352 V
- At bridging between non-adjacent terminal blocks via PE terminal block	-	-	352 V
- cut-to length bridging	275 V	275 V	220 V
- cut-to length bridging with cover type D-PTV 2,5/4	275 V	275 V	275 V
- cut-to length bridging with partition plate type ATP-ST 4	550 V	-	-
- cut-to length bridging with partition plate type ATP-ST 6	-	550 V	-



**UKUK
CANI**

CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK

This certificate and its schedules may only be reproduced in its entirety and without change

DQD544.22 Issue 2 (2021-04-23)

Page 2 of 5



SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

CSAE 22UKEX1099U

Issue 1

	PTV 2.5 * PTV 2.5-TWIN * PTV 2.5-QUATTRO *	PTV 4 * PTV 4-TWIN * PTV 4-QUATTRO *	PTV 6 * PTV 6-TWIN * PTV 6-QUATTRO *
Rated current (Temperature rise 40 K with rated cross-section)	20.5 A (2.5 mm²)	27 A (4 mm²)	35 A (6 mm²)
Max. load current (Temperature rise 40 K with max. connection cross-section)	24.5 A* (4 mm²)	31 A* (6 mm²)	45 A* (10 mm²)
Rated cross-section	2.5 mm²	4 mm²	6 mm²
Max. connection cross-section	4 mm²	6 mm²	10 mm²
Contact resistance	0.8 mΩ (PTV 2.5) 0.8 mΩ (PTV 2.5-TWIN) 0.9 mΩ (PTV 2.5-QUATTRO)	0.5 mΩ (PTV 4) 0.6 mΩ (PTV 4-TWIN) 0.7 mΩ (PTV 4-QUATTRO)	0.5 mΩ (PTV 6) 0.6 mΩ (PTV 6-TWIN) 0.7 mΩ (PTV 6-QUATTRO)
Connectable conductor cross-section AWG	0.14 mm² - 4 mm² rigid / flexible AWG 26 – 12	0.2 mm² - 6 mm² rigid / flexible AWG 24 -10	0.5 mm² - 10 mm² rigid / flexible AWG 20 - 8
Stripping length	8 mm – 10 mm	9 mm – 11 mm	10 mm – 12 mm
Number of conductors per clamping unit	1 conductor		
Service temperature range	-60 °C to +110°C		
Note *: The max. load current must not be exceeded by the total current of all connected conductors.			

	PTV 2.5...-PE	PTV 4...-PE	PTV 6...-PE
Rated cross-section	2.5 mm ²	4 mm ²	6 mm ²
Max. connection cross-section	4 mm ²	6 mm ²	10 mm ²
Connectable conductor cross-section AWG	0.14 mm ² - 4 mm ² rigid / flexible AWG 26 – 12	0.2 mm ² - 6 mm ² rigid / flexible AWG 24 -10	0.5 mm ² - 10 mm ² rigid / flexible AWG 20 - 8
Stripping length	8 mm – 10 mm	9 mm – 11 mm	10 mm – 12 mm
Number of conductors per clamping unit	1 conductor		
Service temperature range	-60 °C to +110°C		

Nomenclature

a)	b)	c)	d)	e)	f)	g)
P	T	V	*		*	
P	T	V	*	-TWIN	*	
P	T	V	*	-QUATTRO	*	



**UKUK
CANI**

CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
This certificate and its schedules may only be reproduced in its entirety and without change

DQD544.22 Issue 2 (2021-04-23)

Page 3 of 5



SCHEDULE

UK TYPE EXAMINATION CERTIFICATE

CSAE 22UKEX1099U

Issue 1

a)	b)	c)	d)	e)	f)	g)
P	T	V	*			-PE

a)	P	Connection type of Terminal block "Push-In"
b)	T	Terminal
c)	V	Vertical
d)	2.5, 4 or 6	Rated cross-section
e)	-TWIN,	3 connectors
	-QUATTRO	4 connectors
f)	*	All colours e.g. BK, RD, GN, BU etc. (standard type is grey GY)
g)	-PE	Suffix for Protective conductor terminal block

Accessories

Partition plate	ATP-ST 4 ATP-ST 6
Cover	D-PTV 2,5/4/6 D-PTV 2,5/4/6-TWIN D-PTV 2,5/4/6-QUATTRO
Jumper	FBS...-5 (... = number of poles) FBS...-6 (... = number of poles) FBS...-8 (... = number of poles)

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Reports and Certificate History

Issue	Date	Report number	Comment
0	01 June 2022	R80113985A	The release of the prime certificate.
1	13 July 2022	R80113985B	Issued to allow report R80113985B to replace report R80113985A which introduced the PTV 6 series

15 SCHEDULE OF LIMITATIONS

- 15.1 The terminals shall be mounted in an enclosure that meets the requirements of an approved type of protection as specified in EN 60079-0, section 1 or EN 60079-31.
- 15.2 When installing the terminals in an enclosure designed to Increased Safety "eb" type of protection as specified in EN 60079-7, the clearance and creepage distances shown in table 2 shall be duly considered.
- 15.3 If accessories are used, the instructions for installation provided by the manufacturer shall be observed.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS (REGULATIONS SCHEDULE 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed in Section 9, all other requirements are demonstrated in the relevant reports.



UKUK
CANI

CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
This certificate and its schedules may only be reproduced in its entirety and without change

DQD544.22 Issue 2 (2021-04-23)

Page 4 of 5

**SCHEDULE****UK TYPE EXAMINATION CERTIFICATE****CSAE 22UKEX1099U****Issue 1****17 PRODUCTION CONTROL**

- 17.1 Holders of this certificate are required to comply with production control requirements defined in Schedule 3A, as applicable, and CSA Group Testing UK Regulations for Certificate Holders
- 17.2 Each manufactured sample shall be subjected to a routine test in the form of dielectric test in accordance with EN 60079-7 section 7.1 in conjunction with section 6.1 with the test values specified for terminals in accordance with EN 609471-1, Table 12A.

**UK UK
CANI**

CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
This certificate and its schedules may only be reproduced in its entirety and without change

DQD544.22 Issue 2 (2021-04-23)

Page 5 of 5



Certificate Annexe

Certificate Number: CSAE 22UKEX1099U

Product: Feed-through terminal block and protective-conductor terminal block,
Type PTV 2,5-... *(-PE), Type PTV 4-... *(-PE), Type PTV 6-... *(-PE)

Manufacturer: PHOENIX CONTACT GmbH & Co. KG

Issue 0

Drawing	Sheets	Rev.	Date (Stamped)	Title
00208352	1 of 1	10	29 Apr 22	Label marking
01301220	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 2.5
01303364	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 2.5-TWIN
01303626	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 2.5-QUATTRO
01303631	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 2.5-PE
01303634	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 2.5-TWIN-PE
01303635	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 2.5-QUATTRO-PE
01308141	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 4
01308143	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 4-TWIN
01308146	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 4-QUATTRO
01308150	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 4-PE
01308152	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 4-TWIN-PE
01308153	1 of 1	00	29 Apr 22	General Arrangement Drawing PTV 4-QUATTRO-PE
Description PTV 2.5 series	1 to 6	01	29 Apr 22	Description PTV 2.5 series
Description PTV 2.5 -PE	1 to 4	01	29 Apr 22	Description PTV 2.5-PE
Description PTV 4 series	1 to 6	01	29 Apr 22	Description PTV 4 series
Description PTV 4 -PE	1 to 4	01	29 Apr 22	Description PTV 4-PE
01309776	1 to 3	03	29 Apr 22	Overview and list of material
01307295	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 2.5
01307296	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 2.5-TWIN
01307297	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 2.5-QUATTRO
01307298	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 2.5-PE
01307299	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 2.5-TWIN-PE
01307300	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 2.5-QUATTRO-PE
01308156	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 4
01308157	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 4-TWIN
01308158	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 4-QUATTRO
01308159	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 4-PE
01308160	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 4-TWIN-PE
01308161	1 of 1	02	29 Apr 22	Terminal Block Drawing PTV 4-QUATTRO-PE
01303112	1 of 1	01	04 Apr 22	UKCA marking
01308164	1 of 1	01	04 Apr 22	UKCA marking





Certificate Annexe

Certificate Number: CSAE 22UKEX1099U

Product: Feed-through terminal block and protective-conductor terminal block,
Type PTV 2,5-... *(-PE), Type PTV 4-... *(-PE), Type PTV 6-... *(-PE)

Manufacturer: PHOENIX CONTACT GmbH & Co. KG

Drawing	Sheets	Rev.	Date (Stamped)	Title
MNR 01305718	1 of 2	00	04 Apr 22	Operation Instruction PTV 2.5
MNR 01305734	1 of 2	00	04 Apr 22	Operation Instruction PTV 2.5-TWIN
MNR 01305737	1 of 2	00	04 Apr 22	Operation Instruction PTV 2.5-QUATTRO
MNR 01305848	1 of 2	00	04 Apr 22	Operation Instruction PTV 4
MNR 01305866	1 of 2	00	04 Apr 22	Operation Instruction PTV 4-TWIN
MNR 01305869	1 of 2	00	04 Apr 22	Operation Instruction PTV 4-QUATTRO
MNR 01305879	1 of 2	00	04 Apr 22	Operation Instruction PTV 2.5-PE
MNR 01305880	1 of 2	00	04 Apr 22	Operation Instruction PTV 2.5-TWIN-PE
MNR 01305881	1 of 2	00	04 Apr 22	Operation Instruction PTV 2.5-QUATTRO-PE
MNR 01305894	1 of 2	00	04 Apr 22	Operation Instruction PTV 4-PE
MNR 01305895	1 of 2	00	04 Apr 22	Operation Instruction PTV 4-TWIN-PE
MNR 01305896	1 of 2	00	04 Apr 22	Operation Instruction PTV 4-QUATTRO-PE

Issue 1

Drawing	Sheets	Rev.	Date (Stamped)	Title
MNR 01378412	1 of 2	00	17 Jun 22	Operation Instruction PTV 6
MNR 01378413	1 of 2	00	17 Jun 22	Operation Instruction PTV 6-TWIN
MNR 01378415	1 of 2	00	17 Jun 22	Operation Instruction PTV 6-QUATTRO
MNR 01378493	1 of 2	00	17 Jun 22	Operation Instruction PTV 6-PE
MNR 01378494	1 of 2	00	17 Jun 22	Operation Instruction PTV 6-TWIN-PE
MNR 01378495	1 of 2	00	17 Jun 22	Operation Instruction PTV 6-QUATTRO-PE



**UKUK
CANI**

CSA Group Testing UK Ltd., Unit 6 Hawarden Industrial Park, Hawarden, CH5 3US, UK
This certificate and its schedules may only be reproduced in its entirety and without change
DQD544.22 Issue 2 (2021-04-23)
Page 2 of 2