

### Certificate No. NESA-S009 (v1.0)

<b>Approval date</b>	18 February 2019
<b>Approved by</b>	General Manager Technical Standards
<b>Report no.</b>	NESA-S009
<b>Report date</b>	5 January 2019

### *This certificate is issued to*

<b>Supplier</b>	Phoenix Contact Pty Ltd
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### *In respect of*

<b>Manufacturer</b>	Phoenix Contact Pty Ltd Unit 7, 2-8 South Street Rydalmere NSW 2116
<b>Product description</b>	'Phoenix Contact' Terminal Range
<b>Item identification</b>	See Table
<b>Application</b>	Signalling circuits
<b>Relevant Standards</b>	EGP 21 01 New Equipment and System Approvals SPS 02 Environmental Conditions SPS 05 – Electrical & Components (Ratings & Construction Requirements).
<b>Conditions of Approval</b>	<ol style="list-style-type: none"> <li>1. For use in accordance with standard typical circuits only.</li> <li>2. Components to be used in circuits with a maximum current draw as specified in the 'Equipment type approval list' operating characteristics.</li> <li>3. Wiring must be lugged prior to termination.</li> <li>4. Two wires may be terminated into a single terminal if first crimped together into an appropriate ferrule, or if back to back spade lugs are used.</li> <li>5. 2 position bridges shall be used for combining of terminal strips.</li> <li>6. Wiring to be terminated shall be of a material and cross-sectional area which is as specified in the 'Equipment type approval list' operating characteristics.</li> <li>7. Not to be installed within other manufacturer's bussed terminals, it must be a separate buss.</li> </ol>

A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid certificate.

### Equipment type approval list

Item No.	Hardware name	Operating characteristics	Part Number
1	<b>PT 10-MTL</b> (Knife disconnect terminal)	<b>Nominal Voltage:</b> 500V <b>Nominal current:</b> 20A <b>Connection method:</b> Push-in connection <b>Cross section:</b> 0.5mm <sup>2</sup> - 16mm <sup>2</sup> <b>L x W:</b> (88.9mm x 10.2mm) <b>Mounting:</b> NS 35/7,5, NS35/15, NS 32	1076793
2	<b>PT 10-TG</b> (Fuse terminal)	<b>Nominal Voltage:</b> 500V <b>Nominal current:</b> 20A <b>Connection method:</b> Push-in connection <b>Cross section:</b> 0.5mm <sup>2</sup> - 16mm <sup>2</sup> <b>L x W:</b> (88.9mm x 10.2mm) <b>Mounting:</b> NS 35/7,5, NS35/15, NS 32	1080201
3	<b>FBS 2-10</b> (PT 10-MTL & PT 10-TG Jumper 2 position)	Plug-in bridge - number of positions: 2, color: red	3005947
4	<b>FBS 5-10</b> (PT 10-MTL, PT 10-TG Jumper 5 position)	Plug-in bridge - number of positions: 5, color: red	3005948
5	<b>Switch Lock (White)</b> (PT 4MT & PT 10-MTL compatible)	Switching lock, color: white	3247954

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6	<b>P-FU</b> (Fuse Plug)	<b>Fuse type:</b> Glass/Ceramic G/6,3x32 <b>Nominal Voltage:</b> 630V <b>Nominal current:</b> 20A <b>Connection method:</b> Plug connection <b>L x W:</b> (40mm x 8.2mm)	3046498
7	<b>Marking TOP</b>  (PT 10-MTL & PT 10-TG)	Terminal labels (Numbers 1-50)	1104018
8		Terminal labels (Numbers 51 – 100)	1104019
9		Terminal labels (Number 1 – 10)	1053027:0001
10		Terminal labels (Number 11 – 20)	1053027:0011
11		Terminal labels (Number 21 – 30)	1053027:0021
12		Terminal labels (Number 31 – 40)	1053027:0031
13		Terminal labels (Number 41 – 50)	1053027:0041
14		Terminal labels (Number 51 – 60)	1053027:0051
15		Terminal labels (Number 61 – 70)	1053027:0061
16		Terminal labels (Number 71 – 80)	1053027:0071
17		Terminal labels (Number 81 – 90)	1053027:0081
18		Terminal labels (Number 91 – 100)	1053027:0091
19	<b>Marking SIDE</b>  (PT 10-MTL & PT 10-TG)	Terminal labels (Numbers 1 – 50)	1104048
20		Terminal labels (Numbers 51 – 100)	1104020
21		Terminal labels (Number 1 – 10)	810025:0001
22		Terminal labels (Number 11 – 20)	810025:0011
23		Terminal labels (Number 21 – 30)	810025:0021
24		Terminal labels (Number 31 – 40)	810025:0031
25		Terminal labels (Number 41 – 50)	810025:0041
26		Terminal labels (Number 51 – 60)	810025:0051
27		Terminal labels (Number 61 – 70)	810025:0061
28		Terminal labels (Number 71 – 80)	810025:0071
29		Terminal labels (Number 81 – 90)	810025:0081
30		Terminal labels (Number 91 – 100)	810025:0091

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31	<p style="text-align: center;"><b>Marking TOP</b> (P-FU)</p>	Terminal labels (Numbers 1 – 50)	1104010
32		Terminal labels (Numbers 51 – 100)	1104011
33		Terminal labels (Number 1 – 10)	1052028:0001
34		Terminal labels (Number 11 – 20)	1052028:0011
35		Terminal labels (Number 21 – 30)	1052028:0021
36		Terminal labels (Number 31 – 40)	1052028:0031
37		Terminal labels (Number 41 – 50)	1052028:0041
38		Terminal labels (Number 51 – 60)	1052028:0051
39		Terminal labels (Number 61 – 70)	1052028:0061
40		Terminal labels (Number 71 – 80)	1052028:0071
41		Terminal labels (Number 81 – 90)	1052028:0081
42		Terminal labels (Number 91 – 100)	1052028:0091
43		<p style="text-align: center;"><b>PT 4-MT</b> (Through terminal)</p> <p><b>Note:</b> Terminal may be used as disconnect terminal (knife).</p>	<p><b>Nominal Voltage:</b> 500V nominal current: 20A</p> <p><b>Connection method:</b> Push-in connection</p> <p><b>Cross section:</b> 0.2mm<sup>2</sup> - 4mm<sup>2</sup></p> <p><b>L x W:</b> (56mm x 6.2mm)</p> <p><b>Mounting:</b> NS 35/7,5 , NS35/15</p>
44	<p style="text-align: center;"><b>D-ST 4</b> (End cover)</p>	<b>L x W x H</b> (55.9mm x 2.2mm x 29mm)	3030420
45	<p style="text-align: center;"><b>FBS 2-6</b> (PT 4-MT Jumper 2 position)</p>	Plug-in bridge - number of positions: 2, color: red	3030336
46	<p style="text-align: center;"><b>FBS 3-6</b> (PT 4-MT Jumper 3 position)</p>	Plug-in bridge - number of positions: 3, color: red	3030242
47	<p style="text-align: center;"><b>FBS 4-6</b> (PT 4-MT Jumper 4 position)</p>	Plug-in bridge - number of positions: 4, color: red	3030255
48	<p style="text-align: center;"><b>FBS 5-6</b> (PT 4-MT Jumper 5 position)</p>	Plug-in bridge - number of positions: 5, color: red	3030349

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49	<b>FBS 6-6</b> (PT 4-MT Jumper 6 position)	Plug-in bridge, One side not fully isolated - number of positions: 6, color: red	1008238
50	<b>FBS 10-6</b> (PT 4-MT Jumper 10 position)	Plug-in bridge - number of positions: 10, color: red	3030271
51	<b>FBS 20-6</b> (PT 4-MT Jumper 20 position)	Plug-in bridge - number of positions: 20, color: red	3030365
52	<b>Marking SIDE</b>  (PT 4-MT)	Terminal labels (Number 1 – 50)	1104016
53		Terminal labels (Number 51 – 100)	1104017
54		Terminal labels (Number 1 – 10)	0808765:0001
55		Terminal labels (Number 11 – 20)	0808765:0011
56		Terminal labels (Number 21 – 30)	0808765:0021
57		Terminal labels (Number 31 – 40)	0808765:0031
58		Terminal labels (Number 41 – 50)	0808765:0041
59		Terminal labels (Number 51 – 60)	0808765:0051
60		Terminal labels (Number 61 – 70)	0808765:0061
61		Terminal labels (Number 71 – 80)	0808765:0071
62		Terminal labels (Number 81 – 90)	0808765:0081
63		Terminal labels (Number 91 – 100)	0808765:0091
64	<b>PT POWER 35</b>	<b>High-Current Terminal Block,</b> <b>Nom. Voltage:</b> 1000 V AC <b>Nominal Current:</b> 125 A, connection <b>Method:</b> Power-Turn connection, <b>Number of Connections:</b> 2, <b>Cross Section:</b> 2.5 mm <sup>2</sup> - 35 mm <sup>2</sup> , <b>Width:</b> 16 mm, <b>Color:</b> gray, <b>Mounting Type:</b> NS 35/15	3212064

65	<b>PT POWER 35 PE</b> (Earth terminal)	<b>High-Current Terminal Block,</b> <b>Method:</b> Power-Turn connection, <b>Number of Connections:</b> 2, <b>Cross Section:</b> 2.5 mm <sup>2</sup> - 35 mm <sup>2</sup> <b>Width:</b> 16 mm, <b>Color:</b> Green /Yellow <b>Mounting Type:</b> NS 35/15	3212066
66	<b>Marking</b>  (PT POWER 35 & PT POWER 35 PE)	Terminal labels (L1, L2, L3 N, PE)	1104021
67	<b>PT POWER 95</b>	<b>High-current terminal block</b> <b>Nom. Voltage:</b> 1000 V AC / 1500 V DC, <b>Nominal Current:</b> 232 A, connection <b>Method:</b> Power-Turn connection, <b>Number of Connections:</b> 2, <b>Cross Section:</b> 25 mm <sup>2</sup> - 95 mm <sup>2</sup> , AWG: 4 - 4/0, <b>Width:</b> 25 mm, <b>Color:</b> gray, <b>Mounting Type:</b> NS 35/15	3260100
68	<b>PT POWER 95 PE</b> (Earth terminal)	<b>High-current terminal block</b> <b>Nom. Voltage:</b> 1000 V AC / 1500 V DC, <b>Nominal Current:</b> 232 A, connection <b>Method:</b> Power-Turn connection, <b>Number of Connections:</b> 2, <b>Cross Section:</b> 25 mm <sup>2</sup> - 95 mm <sup>2</sup> , AWG: 4 - 4/0, <b>Width:</b> 25 mm, <b>Color:</b> Green/Yellow <b>Mounting Type:</b> NS 35/15	3260106

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69	<b>Marking</b>  (PT POWER 95 & PT POWER 95 PE)	Terminal labels (L1, L2, L3 N, PE)	1104021
70	<b>UBE/D</b>  (Name tag)	-	800307
71	<b>ESL</b>  (Name tag stickers)	Dimensions: 40 x 17	0808095
72	E/NS 35N  (End clamp)	-	0800886

### Note/Comments

Issue date 18/02/2019

Expiry date N/A

Issued by



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ARTC Manager Standards