

WPD 105 1X35+1X16/2X25+3X16 BL**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Our WPD 1XX distribution blocks are used in all situations where power is supplied and distributed. Their user-friendly design creates a better overview and enables rapid, efficient implementation of space-saving power distribution.

General ordering data

Version	Potential distributor terminal, Screw connection, blue, 35 mm ² , 214 A, 1000 V, Number of connections: 7, Number of levels: 1
Order No.	2518540000
Type	WPD 105 1X35+1X16/2X25+3X16 BL
GTIN (EAN)	4050118531831
Qty.	1 items

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	53.7 mm	Depth (inches)	2.1142 inch
Height	70 mm	Height (inches)	2.7559 inch
Width	35.6 mm	Width (inches)	1.4016 inch
Net weight	138 g		

Temperatures

Storage temperature	-25 °C...55 °C	Ambient temperature	-5 °C...40 °C
Continuous operating temp., min.	-50 °C	Continuous operating temp., max.	130 °C

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2

Material data

Basic material	Wemid	Colour	blue
UL 94 flammability rating	V-0		

Rating data IECEX/ATEX

Certificate No. (ATEX)	CNEX16ATEX0005U	Certificate No. (IECEX)	IECEXCNEX16.0005U
Max. voltage (ATEX)	690 V	Current (ATEX)	125 A
Wire cross section max. (ATEX)	35 mm ²	Max. voltage (IECEX)	690 V
Current (IECEX)	125 A		

System specifications

Version	Screw connection	End cover plate required	No
Number of potentials	1	Number of levels	1
Number of clamping points per level	2	Number of potentials per tier	1
Levels cross-connected internally	Yes	Mounting rail	Mounting plate, TS 35
PE function	No	PEN function	No

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Additional technical data

Open sides	closed	Installation advice	Terminal rail / mounting plate
Explosion-tested version	Yes	Type of mounting	Snap-on

CSA rating data

Certificate number (cCSAus)	70128467
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Conductors for clamping (additional connection)

Connection type, additional connection	Screw connection
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Conductors for clamping (rated connection)

Wire connection cross section AWG, max.	AWG 2	Connection direction	on side
Type of connection 2	Screw connection	Type of connection	Screw connection
Number of connections	7	Clamping range, max.	35 mm ²
Clamping range, min.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 16
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	1.5 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max.	25 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min.	1.5 mm ²	Wire connection cross section, finely stranded, max.	0 mm ²
Wire connection cross section, finely stranded, min.	1.5 mm ²	Connection cross-section, stranded, max.	35 mm ²
Connection cross-section, stranded, min.	1.5 mm ²	Wire connection cross-section, solid core, max.	35 mm ²
Wire connection cross-section, solid core, min.	1.5 mm ²		

General

Number of poles	1	Wire connection cross section AWG, max.	AWG 2
Installation advice	Terminal rail / mounting plate	Wire connection cross section AWG, min.	AWG 16
Standards	IEC 60947-7-1, UL 1059	Mounting rail	Mounting plate, TS 35

Rating data

Rated cross-section	35 mm ²	Rated voltage	1000 V
Rated AC voltage	1000 V	Rated DC voltage	1500 V
Nominal current	214 A	Current at maximum wires	214 A
Standards	IEC 60947-7-1, UL 1059		

UL rating data

Certificate No. (cURus)	E60693
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Important note

Product information	The socket complies with flammability class V-2 according to UL94.
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Technical data**Classifications**

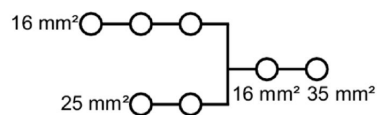
ETIM 6.0	EC000897	ETIM 7.0	EC000897
ETIM 8.0	EC000897	ETIM 9.0	EC000897
ETIM 10.0	EC000897	ECLASS 9.0	27-14-11-20
ECLASS 9.1	27-14-11-20	ECLASS 10.0	27-14-11-20
ECLASS 11.0	27-14-11-20	ECLASS 12.0	27-14-11-20
ECLASS 13.0	27-25-01-19	ECLASS 14.0	27-25-01-19
ECLASS 15.0	27-25-01-19		

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Drawings



Connector connection data according to IEC 60347-1 (Du)									
Order	connector type 12.5				Cage	connector type 15		connector type 20	
	CS	CS	CS	CS		CS	CS	CS	CS
1. no. of pins	12	12	12	12	12	15	15	20	20
2. no. of positions	12	12	12	12	12	15	15	20	20
3. no. of positions with 0 V	1	1	1	1	1	1	1	1	1
4. no. of positions with 0 V and 12 V	1	1	1	1	1	1	1	1	1
5. no. of positions with 0 V and 24 V	1	1	1	1	1	1	1	1	1
6. no. of positions with 0 V and 48 V	1	1	1	1	1	1	1	1	1
7. no. of positions with 0 V and 100 V	1	1	1	1	1	1	1	1	1
8. no. of positions with 0 V and 250 V	1	1	1	1	1	1	1	1	1
9. no. of positions with 0 V and 500 V	1	1	1	1	1	1	1	1	1
10. no. of positions with 0 V and 1000 V	1	1	1	1	1	1	1	1	1
11. no. of positions with 0 V and 2500 V	1	1	1	1	1	1	1	1	1
12. no. of positions with 0 V and 5000 V	1	1	1	1	1	1	1	1	1
13. no. of positions with 0 V and 10000 V	1	1	1	1	1	1	1	1	1
14. no. of positions with 0 V and 25000 V	1	1	1	1	1	1	1	1	1
15. no. of positions with 0 V and 50000 V	1	1	1	1	1	1	1	1	1
16. no. of positions with 0 V and 100000 V	1	1	1	1	1	1	1	1	1
17. no. of positions with 0 V and 250000 V	1	1	1	1	1	1	1	1	1
18. no. of positions with 0 V and 500000 V	1	1	1	1	1	1	1	1	1
19. no. of positions with 0 V and 1000000 V	1	1	1	1	1	1	1	1	1
20. no. of positions with 0 V and 2500000 V	1	1	1	1	1	1	1	1	1
21. no. of positions with 0 V and 5000000 V	1	1	1	1	1	1	1	1	1
22. no. of positions with 0 V and 10000000 V	1	1	1	1	1	1	1	1	1
23. no. of positions with 0 V and 25000000 V	1	1	1	1	1	1	1	1	1
24. no. of positions with 0 V and 50000000 V	1	1	1	1	1	1	1	1	1
25. no. of positions with 0 V and 100000000 V	1	1	1	1	1	1	1	1	1
26. no. of positions with 0 V and 250000000 V	1	1	1	1	1	1	1	1	1
27. no. of positions with 0 V and 500000000 V	1	1	1	1	1	1	1	1	1
28. no. of positions with 0 V and 1000000000 V	1	1	1	1	1	1	1	1	1
29. no. of positions with 0 V and 2500000000 V	1	1	1	1	1	1	1	1	1
30. no. of positions with 0 V and 5000000000 V	1	1	1	1	1	1	1	1	1
31. no. of positions with 0 V and 10000000000 V	1	1	1	1	1	1	1	1	1
32. no. of positions with 0 V and 25000000000 V	1	1	1	1	1	1	1	1	1
33. no. of positions with 0 V and 50000000000 V	1	1	1	1	1	1	1	1	1
34. no. of positions with 0 V and 100000000000 V	1	1	1	1	1	1	1	1	1
35. no. of positions with 0 V and 250000000000 V	1	1	1	1	1	1	1	1	1
36. no. of positions with 0 V and 500000000000 V	1	1	1	1	1	1	1	1	1
37. no. of positions with 0 V and 1000000000000 V	1	1	1	1	1	1	1	1	1
38. no. of positions with 0 V and 2500000000000 V	1	1	1	1	1	1	1	1	1
39. no. of positions with 0 V and 5000000000000 V	1	1	1	1	1	1	1	1	1
40. no. of positions with 0 V and 10000000000000 V	1	1	1	1	1	1	1	1	1
41. no. of positions with 0 V and 25000000000000 V	1	1	1	1	1	1	1	1	1
42. no. of positions with 0 V and 50000000000000 V	1	1	1	1	1	1	1	1	1
43. no. of positions with 0 V and 100000000000000 V	1	1	1	1	1	1	1	1	1
44. no. of positions with 0 V and 250000000000000 V	1	1	1	1	1	1	1	1	1
45. no. of positions with 0 V and 500000000000000 V	1	1	1	1	1	1	1	1	1
46. no. of positions with 0 V and 1000000000000000 V	1	1	1	1	1	1	1	1	1
47. no. of positions with 0 V and 2500000000000000 V	1	1	1	1	1	1	1	1	1
48. no. of positions with 0 V and 5000000000000000 V	1	1	1	1	1	1	1	1	1
49. no. of positions with 0 V and 10000000000000000 V	1	1	1	1	1	1	1	1	1
50. no. of positions with 0 V and 25000000000000000 V	1	1	1	1	1	1	1	1	1
51. no. of positions with 0 V and 50000000000000000 V	1	1	1	1	1	1	1	1	1
52. no. of positions with 0 V and 100000000000000000 V	1	1	1	1	1	1	1	1	1
53. no. of positions with 0 V and 250000000000000000 V	1	1	1	1	1	1	1	1	1
54. no. of positions with 0 V and 500000000000000000 V	1	1	1	1	1	1	1	1	1
55. no. of positions with 0 V and 1000000000000000000 V	1	1	1	1	1	1	1	1	1
56. no. of positions with 0 V and 2500000000000000000 V	1	1	1	1	1	1	1	1	1
57. no. of positions with 0 V and 5000000000000000000 V	1	1	1	1	1	1	1	1	1
58. no. of positions with 0 V and 10000000000000000000 V	1	1	1	1	1	1	1	1	1
59. no. of positions with 0 V and 25000000000000000000 V	1	1	1	1	1	1	1	1	1
60. no. of positions with 0 V and 50000000000000000000 V	1	1	1	1	1	1	1	1	1
61. no. of positions with 0 V and 100000000000000000000 V	1	1	1	1	1	1	1	1	1
62. no. of positions with 0 V and 250000000000000000000 V	1	1	1	1	1	1	1	1	1
63. no. of positions with 0 V and 500000000000000000000 V	1	1	1	1	1	1	1	1	1
64. no. of positions with 0 V and 1000000000000000000000 V	1	1	1	1	1	1	1	1	1
65. no. of positions with 0 V and 2500000000000000000000 V	1	1	1	1	1	1	1	1	1
66. no. of positions with 0 V and 5000000000000000000000 V	1	1	1	1	1	1	1	1	1
67. no. of positions with 0 V and 10000000000000000000000 V	1	1	1	1	1	1	1	1	1
68. no. of positions with 0 V and 25000000000000000000000 V	1	1	1	1	1	1	1	1	1
69. no. of positions with 0 V and 50000000000000000000000 V	1	1	1	1	1	1	1	1	1
70. no. of positions with 0 V and 100000000000000000000000 V	1	1	1	1	1	1	1	1	1
71. no. of positions with 0 V and 250000000000000000000000 V	1	1	1	1	1	1	1	1	1
72. no. of positions with 0 V and 500000000000000000000000 V	1	1	1	1	1	1	1	1	1
73. no. of positions with 0 V and 1000000000000000000000000 V	1	1	1	1	1	1	1	1	1
74. no. of positions with 0 V and 2500000000000000000000000 V	1	1	1	1	1	1	1	1	1
75. no. of positions with 0 V and 5000000000000000000000000 V	1	1	1	1	1	1	1	1	1
76. no. of positions with 0 V and 10000000000000000000000000 V	1	1	1	1	1	1	1	1	1
77. no. of positions with 0 V and 25000000000000000000000000 V	1	1	1	1	1	1	1	1	1
78. no. of positions with 0 V and 50000000000000000000000000 V	1	1	1	1	1	1	1	1	1
79. no. of positions with 0 V and 100000000000000000000000000 V	1	1	1	1	1	1	1	1	1
80. no. of positions with 0 V and 250000000000000000000000000 V	1	1	1	1	1	1	1	1	1
81. no. of positions with 0 V and 500000000000000000000000000 V	1	1	1	1	1	1	1	1	1
82. no. of positions with 0 V and 1000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
83. no. of positions with 0 V and 2500000000000000000000000000 V	1	1	1	1	1	1	1	1	1
84. no. of positions with 0 V and 5000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
85. no. of positions with 0 V and 10000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
86. no. of positions with 0 V and 25000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
87. no. of positions with 0 V and 50000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
88. no. of positions with 0 V and 100000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
89. no. of positions with 0 V and 250000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
90. no. of positions with 0 V and 500000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
91. no. of positions with 0 V and 1000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
92. no. of positions with 0 V and 2500000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
93. no. of positions with 0 V and 5000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
94. no. of positions with 0 V and 10000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
95. no. of positions with 0 V and 25000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
96. no. of positions with 0 V and 50000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
97. no. of positions with 0 V and 100000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
98. no. of positions with 0 V and 250000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
99. no. of positions with 0 V and 500000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
100. no. of positions with 0 V and 1000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
101. no. of positions with 0 V and 2500000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
102. no. of positions with 0 V and 5000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
103. no. of positions with 0 V and 10000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
104. no. of positions with 0 V and 25000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
105. no. of positions with 0 V and 50000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
106. no. of positions with 0 V and 100000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
107. no. of positions with 0 V and 250000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
108. no. of positions with 0 V and 500000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
109. no. of positions with 0 V and 1000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
110. no. of positions with 0 V and 2500000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
111. no. of positions with 0 V and 5000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
112. no. of positions with 0 V and 10000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
113. no. of positions with 0 V and 25000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
114. no. of positions with 0 V and 50000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
115. no. of positions with 0 V and 100000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
116. no. of positions with 0 V and 250000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
117. no. of positions with 0 V and 500000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
118. no. of positions with 0 V and 1000000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
119. no. of positions with 0 V and 2500000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
120. no. of positions with 0 V and 5000000000000000000000000000000000000000 V	1	1	1	1	1	1	1	1	1
121. no. of positions with 0 V and 100 V	1	1	1						

[illegible]

CBA Rating data according to CBA 22.2 No. 158						
Condition No. (CBA)					Image	
	CP-1	CP-10.5	CP-15	CP-6		
Aug. 1						
Aug. 2						
Aug. 3	31.30%					
Aug. 4		22.8 (2.3%)	15.10%	22.10%		
Aug. 5						
Aug. 6						
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