

HEAR NO EVIL

VAN DAMME VDM PA-CON SPEAKER AND SIGNAL CONNECTORS



N.B. 8 pole connector contact plating is silver, not gold; image to be updated.

Van Damme 8 pole and 19 pole PA-Cons were originally launched to support amplifier and speaker connectivity in L'Acoustics line array PA Systems. They are compatible with the originally specified CA-Com connectors, with improved features such as the arctic rubberised locking ring, and compression gland strain relief. The 8 pole connector is also used by d&b audiotechnik.

Part Numbers and Description

PA-Con 8 pole solder connectors

369-802-811	PA-Con 8 pole cable female lock ring
369-804-821	PA-Con 8 pole cable male lock ring
369-806-812	PA-Con 8 pole cable female bayonet
369-808-822	PA-Con 8 pole cable male bayonet
369-810-832	PA-Con 8 pole panel female bayonet
369-812-842	PA-Con 8 pole panel male bayonet

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PA-Con 19 pole signal connectors

369-190-011	PA-Con 19 pole female lock ring
369-192-022	PA-Con 19 pole male lock ring
369-194-011	PA-Con 19 pole female bayonet
369-196-022	PA-Con 19 pole male bayonet
369-198-011	PA-Con 19 pole panel female
369-200-022	PA-Con 19 pole panel male

Solder connectors, rubber locking ring

S369-190-011	PA-Con 19 pole female lock ring with silver solder contacts
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Applications

- 8 pole speaker connector for high current speaker systems
- 19 pole signal connector for 4 or 6 channel mic/line signals

Application Notes

- Positive bayonet latching using roller pins with an audible click once mated
- Compatible with other manufacturers' Mil-DTL-5015/VG95234 bayonet connectors
- 8 pole connector has silver plated solder contacts
- 19 pole connector is a crimp connector, using the same contacts as VDM audio multipins
- 19 pole cable female connector also available with pre-loaded silver plated solder contacts (S369-190-011)
- IP65 protection when mated

Specification

Connectors

Insert material	Chloroprene rubber (neoprene)	
Connector body	Aluminium alloy with resistive paint	
Cable gland	Plastic metric thread	
	PA-Con 8 pole	M32, 11-21 mm
	PA-Con 19 pole	M20, 10-14 mm
Bayonet type	Roller pin	
Mating cycles	> 2000	
Operating voltage	PA-Con 8 pole	900 Vdc, 1250 Vac
	PA-Con 19 pole	250 Vdc, 200 Vac
Flashover voltage	PA-Con 8 pole	3600 Vac
	PA-Con 19 pole	1400 Vac

Contacts – PA-Con 8 pole

Material	High conductivity alloy
Plating	Silver
Type	Solder bucket

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Contacts – PA-Con 19 pole

Material	High conductivity alloy	
Plating	Silver or Gold	
Wire size	VDM 25-85 (size 16)	18-16 AWG, 1-1.5 mm ²
	VDM 25-85 (size 18)	26-20 AWG, 0.15-0.60 mm ²

Electrical – PA-Con 8 pole

	Peak current	Rated current
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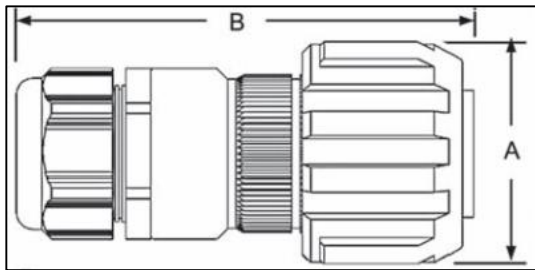
Size 12 solder bucket	41 A	23 A
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Electrical – PA-Con 19 pole

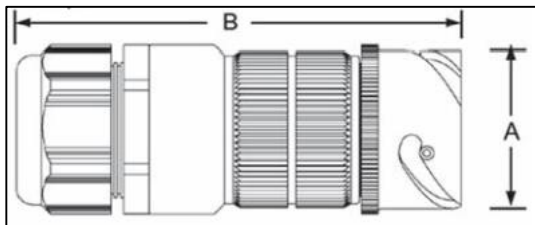
	Peak current	Rated current
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VDM 25-85 (size 16)	22 A	13 A
VDM 25-85 (size 18)	10 A	7.5 A

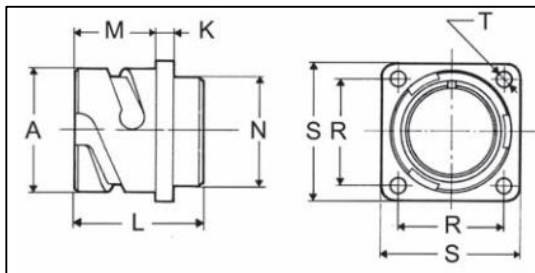
Connector Dimensions and Cut Outs



Connector type	A (mm)	B (mm)
Cable mount locking ring	56	107.3
Cable mount bayonet	40	105.7



Panel mount dimensions (mm)	
A	37.4
K	4
L	34.3
M	19
N	32.2
R	31.8
S	41
T	3.2



Panel mount cut out (mm)	
N	32.4
R	31.8
T	3.2

