



Stamped contacts turned crimp male contact for wire gauge 20 - 16

Part No. VN 01 025 0001 (101)

Series **Contacts**

Subseries **Contact Stamped contacts**

Common Characteristics

Contact diameter		2,5 mm
Insulation diameter		1,8 - 2,8 mm
anschlussquerschnitt_von		0,5
anschlussquerschnitt_bis		1,5
anschlussquerschnitt_awg_von		20
anschlussquerschnitt_awg_bis		16
Packaging / supplied as		Single contact
No. of pieces		100
Type of contact		Stamped/rolled crimp contact

Electrical Characteristics

Contact resistance	DIN EN 60512-2-1, Test 2a / IEC 60512-2-1, Test 2a	< 5 mΩ
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Amphenol

Amphenol-Tuchel Electronics GmbH

Series C 146

Heavy Duty Connectors
Core Programme



Series	C 146 D							C 146 DD				C 146 E					C 146 EE			
Number of contacts	7+PE, 8	15+ PE	25+ PE	40+ PE	50+ PE	64+ PE	128+ PE	24+ PE	42+ PE	72+ PE	108+ PE	6 +	10 +	16 +	24 +	48 +	10+ PE	18+ PE	32+ PE	46+ PE
Termination	crimp							crimp				crimp / screw								
Wire gauge	0,14 - 2,5							0,14 - 2,5				0,5 -4,0 0,25 - 2,5					0,5 - 4,0			
Flammability (UL 94)	V - 0							V - 0				V - 0					V - 0			
Certifications	UL, CSA							UL, CSA									UL, CSA			
according DIN EN 175301-801		✓	✓	✓		✓														
Insertion and withdrawal force in N	10 - 15	20 - 30	40 - 60	60 - 90	80 - 120	100 - 150	200 - 300					SCR ¹ : 20-30 CR: 10-20	SCR ¹ : 40-50 CR: 30-40	SCR ¹ : 80-100 CR: 45-60	SCR ¹ : 100-120 CR: 70-100	SCR ¹ : 200-240 CR: 140-200				
Rated voltage (VDE)	250							250				400					500			
Rated voltage (UL, CSA) in V	600							600				600					600			
Pollution degree	3							2 (3 in mated and locked condition)				3					3			
Installation (overvoltage) category	III							III				III					III			
Rated current (Tu=40°C) in A	16	12	10					9	8	22	19	18			16					
Lower temperature in °C	-40							-40				-40					-40			
Upper temperature in °C	+125							+100				+125					+100			

¹SCR = screw, CR = crimp

Series	C 146 M										C 146 A			
Number of contacts	20	10	10	5	3	4+PE/5	3	3	Rj45 + 4	Pneu	3,4 +	10 +	16 +	32 +
Termination	crimp	crimp	crimp	crimp	crimp	crimp	crimp&solder	crimp	crimp&push	tube	termination	screw		
Contacts	stamped	stamped	turned	turned	turned	stamped	Coax	turned	turned					
Wire gauge	0,09 - 0,5	0,14 - 2,5	0,14 - 2,5	0,5 - 4,0	1,5 - 10	0,5 - 4,0		1,5 - 10	0,14 - 2,5	2,5 + 4,0	0,25 - 2,5			
Flammability (UL 94)	V - 0										V - 0			
Certifications	UL, CSA, SEV, VDE										UL, CSA			
Insertion and withdrawal force in N	10 - 15	20 - 25	25 - 30	25 - 30	20 - 30	15 - 20	25 - 30	20 - 30	15 - 20		15 - 20	50 - 70	80 - 100	160 - 200
Rated voltage (VDE)	63	250	250	400	630	1000	250	1000	125V + 400V		400	250		
Rated voltage (UL, CSA) in V	63	250	250	400	630	1000	250	1000	125V + 400V		600			
Pollution degree	3										3			
Installation (overvoltage) category	III	III	III								III			
Rated current (Tu=40°C) in A	5	10	10	20	50	16		50	1,5 and 13		18	16	14	
Lower temperature in °C	-40								-20		-40			
Upper temperature in °C	+ 125		+ 100		+ 125				+ 80		+ 100		+ 100	

C 146 E / C 146 EE



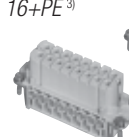
Contacts¹⁾

Supplied as	for wire gauge	AWG	Pieces	Part No.	
				Male contact	Female contact
Stamped single contacts					
	0,5 - 1,5 mm ²	20 - 16	100	VN01 025 0001 (101)	VN02 025 0001 (101)
	1,5 - 2,5 mm ²	16 - 14	100	VN01 025 0010 (101)	VN02 025 0010 (101)
Stamped contacts on reel for hand crimp tools					
	0,5 - 1,5 mm ²	20 - 16	200	ZN01 025 0001 (1)	ZN02 025 0001 (1)
	1,5 - 2,5 mm ²	16 - 14	100	ZN01 025 0010 (1)	ZN02 025 0010 (1)
Stamped contacts on reel for crimp machines					
Contact feeding right hand side	0,5 - 1,5 mm ²	20 - 16	2000	HN01 025 0001 (1)	HN02 025 0001 (1)
	1,5 - 2,5 mm ²	16 - 14	2000	HN01 025 0010 (1)	HN02 025 0010 (1)
Contact feeding left hand side	0,5 - 1,5 mm ²	20 - 16	2000	TN01 025 0001 (1)	TN02 025 0001 (1)
	1,5 - 2,5 mm ²	16 - 14	2000	TN01 025 0010 (1)	TN02 025 0010 (1)
Turned crimp contacts					
Single contact	0,5 mm ²	20	100	VN01 025 0035 (1)C	VN02 025 0035 (1)C
	0,75 - 1,0 mm ²	18	100	VN01 025 0036 (1)C	VN02 025 0036 (1)C
	1,5 mm ²	16	100	VN01 025 0037 (1)C	VN02 025 0037 (1)C
	2,5 mm ²	14	100	VN01 025 0038 (1)C	VN02 025 0038 (1)C
	4,0 mm ²	12	100	VN01 025 0039 (1)C	VN02 025 0039 (1)C

¹⁾ For gold plated contacts please refer C146 main catalog or www.amphenol.info

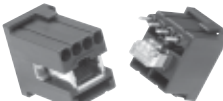
C 146 A

Inserts

Description - Figure	Part No.		Description - Figure	Part No.	
	Male insert	Female insert		Male insert	Female insert
Contact insert screw termination 3+PE 	C146 10A003 002 4	C146 10B003 002 4	Contact insert screw termination 4+PE 	C146 10A004 002 4	C146 10B004 002 4
Contact insert screw termination 10+PE 	C146 10A010 102 4 ²⁾ (with wire protection)	C146 10B010 102 4 ²⁾ (with wire protection)	Contact insert screw termination 16+PE ³⁾ 	C146 10A016 102 4 ²⁾ (with wire protection)	C146 10B016 102 4 ²⁾ (with wire protection)

²⁾ For versions without wire protection please refer C146 main catalog or www.amphenol.info

³⁾ For 32 pol versions please refer C146 main catalog or www.amphenol.info

Description - Figure	Part No.		Turned crimp contacts				silver plating	
	pin module	socket module	Supplied as	for wire gauge	AWG	Pieces	Male contacts	Female contacts
5 contacts for turned contacts 	C146 A05 001 E8 ¹⁾	C146 B05 001 E8 ¹⁾	Single contact	0,5 mm²	20	100	VN01 025 0029 (1)C	VN02 025 0029 (1)C
				0,75 - 1,0 mm²	18	100	VN01 025 0030 (1)C	VN02 025 0030 (1)C
				1,5 mm²	16	100	VN01 025 0031 (1)C	VN02 025 0031 (1)C
				2,5 mm²	14	100	VN01 025 0032 (1)C	VN02 025 0032 (1)C
				4,0 mm²	12	100	VN01 025 0033 (1)C	VN02 025 0033 (1)C
3 contacts for turned contacts 	C146 A03 001 E8	C146 B03 001 E8	Turned crimp contacts					
			Single contact	1,5 mm²	16	100	VN01 036 0004 (1)C	VN02 036 0004 (1)C
				2,5 mm²	14	100	VN01 036 0005 (1)C	VN02 036 0005 (1)C
				4,0 mm²	12	100	VN01 036 0001 (1)C	VN02 036 0001 (1)C
				6,0 mm²	10	100	VN01 036 0002 (1)C ¹⁾	VN02 036 0002 (1)C ¹⁾
10,0 mm²	8	100	VN01 036 0003 (1)C ¹⁾	VN02 036 0003 (1)C ¹⁾				
5 contacts for stamped contacts 	C146 D04 001 E8 (4 pol)	C146 C04 001 E8 (4 pol)	Stamped single contacts					
				0,5 - 1,5 mm²	20-16	100	VN01 025 0001 (101)	VN02 025 0001 (101)
				1,5 - 2,5 mm²	16-14	100	VN01 025 0010 (101)	VN02 025 0010 (101)
	2,5 - 4,0 mm²	12		100	VN01 025 0043 (1)	VN02 025 0043 (1)		
	C146 D05 001 E8 (4 + PE)	C146 C05 001 E8 (4 + PE)	Contacts on reel for hand crimping tools					
				0,5 - 1,5 mm²	20-16	200	ZN01 025 0001 (1)	ZN02 025 0001 (1)
	1,5 - 2,5 mm²	16-14		100	ZN01 025 0010 (1)	ZN02 025 0010 (1)		
	C146 D05 801 E8 (5 pol)	C146 C05 801 E8 (5 pol)	Contacts on reel for crimp machines					
			Contact feeding left hand side ²⁾	0,5 - 1,5 mm²	20-16	2000	TN01 025 0001 (1)	TN02 025 0001 (1)
				1,5 - 2,5 mm²	16-14	2000	TN01 025 0010 (1)	TN02 025 0010 (1)
	2,5 - 4,0 mm²	12		2000	TN01 025 0043 (1)	TN02 025 0043 (1)		
3 contacts for coax contacts 	C146 A03 501 E8	C146 B03 501 E8	Crimp contacts for cable size					
			Single contact	RG 174, 179, 316		1	17 DM 537 401	17DM 537 421
				RG 58		1	17 DM 537 405	17DM 537 425
3 contacts for turned contacts 	C146 A03 801 E8	C146 B03 801 E8	Turned crimp contacts					
			Single contact	1,5 mm²	16	100	VN01 036 0004 (1) C	VN02 036 0004 (1) C
				2,5 mm²	14	100	VN01 036 0005 (1) C	VN02 036 0005 (1) C
				4,0 mm²	12	100	VN01 036 0001 (1) C	VN02 036 0001 (1) C
				6,0 mm²	10	100	VN01 036 0002 (1) C	VN02 036 0002 (1) C
10,0 mm²	8	100	VN01 036 0003 (1) C	VN02 036 0003 (1) C				
RJ module 	C146 E12 001 E8	C146 F12 001 G8	Turned crimp contacts					
				0,14 - 0,37 mm²	26-22	100	VN01 016 0024 (1) C	VN02 016 0024 (1) C
				0,5 mm²	20	100	VN01 016 0025 (1) C	VN02 016 0025 (1) C
				0,75 - 1,0 mm²	20-16	100	VN01 016 0026 (1) C	VN02 016 0026 (1) C
				1,5 mm²	16-15	100	VN01 016 0027 (1) C	VN02 016 0027 (1) C
2,5 mm²	14	100	VN01 016 0028 (1) C	VN02 016 0028 (1) C				
Pneumatic module, 1 or 2 connections 	C146 G01 014 G8 (2,5 mm)	C146 H01 034 G8 (2,5 mm)						
	C146 G01 024 G8 (4,0 mm)	C146 H01 044 G8 (4,0 mm)						
	C146 G02 014 G8 (2,5 mm)	C146 H02 034 G8 (2,5 mm)						
	C146 G02 024 G8 (4,0 mm)	C146 H02 044 G8 (4,0 mm)						

¹⁾ For gold plated contacts please refer C146 main catalog or www.amphenol.info.

²⁾ For right feeding contacts please refer C146 main catalog or www.amphenol.info.