

Amphenol

C 146





Heavy Duty Connectors



Standard Product Range









Series	No. of contacts	General Characteristics					Electrical Characteristics					Temperature range		
		Termination CR = Crimp, SC = Screw	Wire gauge in mm ²	Flammability (UL 94)	Approvals	Connector acc. to DIN 43 852	Insertion and withdrawal forces in N ⁴⁾	Rated voltage (VDE) in V ²⁾	Rated voltage (UL, CSA) in V	Pullout degree ²⁾	Overvoltage category ²⁾	Rated current at 40° ambient temperature in A	Min. temperature in °C ³⁾	Max. temperature in °C ³⁾
C 146 D	7 + ⊕, 8	CR	0,14 - 2,5	V - 0	UL, CSA, SEV		15 - 20	250	600	3	III	16	- 40	+ 125 ¹⁾
	15 + ⊕	CR	0,14 - 2,5	V - 0	UL, CSA, SEV	•	20 - 30	250	600	3	III	12	- 40	+ 125 ¹⁾
	25 + ⊕	CR	0,14 - 2,5	V - 0	UL, CSA, SEV	•	40 - 60	250	600	3	III	12	- 40	+ 125 ¹⁾
	40 + ⊕	CR	0,14 - 2,5	V - 0	UL, CSA, SEV	•	60 - 90	250	600	3	III	10	- 40	+ 125 ¹⁾
	50 + ⊕	CR	0,14 - 2,5	V - 0	UL, CSA, SEV		80 - 120	250	600	3	III	10	- 40	+ 125 ¹⁾
	64 + ⊕	CR	0,14 - 2,5	V - 0	UL, CSA, SEV	•	100 - 150	250	600	3	III	10	- 40	+ 125 ¹⁾
	128 + ⊕	CR	0,14 - 2,5	V - 0	UL, CSA, SEV		200 - 300	250	600	3	III	10	- 40	+ 125 ¹⁾
C 146 E	6 + ⊕	SC / CR	0,5 - 2,5	V - 0	UL, CSA, SEV		20 - 30	400	600	3	III	22	- 40	+ 125
	10 + ⊕	SC / CR	0,5 - 2,5	V - 0	UL, CSA, SEV		40 - 50	400	600	3	III	19	- 40	+ 125
	16 + ⊕	SC / CR	0,5 - 2,5	V - 0	UL, CSA, SEV		80 - 100	400	600	3	III	19	- 40	+ 125
	24 + ⊕	SC / CR	0,5 - 2,5	V - 0	UL, CSA, SEV		100 - 120	400	600	3	III	18	- 40	+ 125
	48 + ⊕	SC / CR	0,5 - 2,5	V - 0	UL, CSA, SEV		200 - 240	400	600	3	III	16	- 40	+ 125
C 146 A	3,4 + ⊕	SC	0,25 - 2,5	V - 0	UL, CSA, SEV		15 - 20	230 / 400	250	3	III	18	- 40	+ 100
	10 + ⊕	SC	0,25 - 2,5	V - 0	UL, CSA, SEV		50 - 70	250	250	3	III	16	- 40	+ 100
	16 + ⊕	SC	0,25 - 2,5	V - 0	UL, CSA, SEV		80 - 100	250	250	3	III	14	- 40	+ 100
	32 + ⊕	SC	0,25 - 2,5	V - 0	UL, CSA, SEV		160 - 200	250	250	3	III	14	- 40	+ 100
C 146 HSE	6 + ⊕	SC	0,5 - 6,0	V - 0	UL, CSA, SEV		40 - 60	400	600	3	III	42	- 40	+ 125
C 146 E / D Termination blocks	6 + ⊕	SC	0,5 - 4,0	V - 0	UL, CSA		20 - 30	400	250	3	III		- 40	+ 125
	10 + ⊕	SC	0,5 - 4,0	V - 0	UL, CSA		40 - 50	400	250	3	III		- 40	+ 125
	16 + ⊕	SC	0,5 - 4,0	V - 0	UL, CSA		80 - 100	400	250	3	III		- 40	+ 125
	24 + ⊕	SC	0,5 - 4,0	V - 0	UL, CSA		100 - 120	400	250	3	III		- 40	+ 125
	40 + ⊕	SC	0,14 - 2,5	V - 0	UL, CSA		60 - 90	250	250	3	III		- 40	+ 125
64 + ⊕	SC	0,14 - 2,5	V - 0	UL, CSA		100 - 150	250	250	3	III		- 40	+ 125	

¹⁾ with stamped contacts, 100 °C with turned contacts ²⁾ according to IEC 60 664-1 ³⁾ according to IEC 60 512-6 Test 11 i ⁴⁾ according to IEC 60 512-7 Test 13 b

Additional products of the C 146 series	
<p>C 146 M</p>  <ul style="list-style-type: none"> • Modular connector • Rated voltage 63 - 1000 V • Rated current 5 A ... 70 A • Termination: crimp • Number of contacts: 3 - 280 	<p>C 146 HvE</p>  <ul style="list-style-type: none"> • Rated voltage 660 V • Rated current 16 A ... 22 A • Termination: screw • 2 delayed mating contacts • Number of contacts: 3, 6, 10, 16, 20, 26, 32
<p>C 146 DD</p>  <ul style="list-style-type: none"> • Rated voltage 250 V • Rated current 8 A ... 9 A • Termination: crimp • Number of contacts: 24, 42, 72, 108 	<p>C 146 EMC housings</p>  <p>for series</p> <ul style="list-style-type: none"> • C 146 E 6 - 24 pol • C 146 D 40 - 64 pol • C 146 M 2 - 7 module • C 146 HSE 6 pol

For additional information refer to catalog „C 146 Heavy duty connectors“

C 146 D**250 V****10 A / 15 A****DIN 43 652**
(15, 25, 40, 64 + ⊕)**CECC 75 301-801****Connectors****Contact inserts for crimp contacts**
(crimp contacts to be ordered separately)

Number of contacts	Contact insert for stamped contacts		Contact insert for turned contacts	
	Male insert	Female insert	Male insert	Female insert
7 + ⊕ 	C146 10A007 000 2	C146 10B007 000 2	C146 10A007 500 2	C146 10B007 500 2
8 	C146 10A008 000 2	C146 10B008 000 2	C146 10A008 500 2	C146 10B008 500 2
15 + ⊕ 	C146 10A015 000 2	C146 10B015 000 2	C146 10A015 500 2	C146 10B015 500 2
25 + ⊕ 	C146 10A025 000 2	C146 10B025 000 2	C146 10A025 500 2	C146 10B025 500 2
40 + ⊕ 	C146 10A040 000 2	C146 10B040 000 2	C146 10A040 500 2	C146 10B040 500 2
50 + ⊕ 	C146 10A025 000 2 (2 X)	C146 10B025 000 2 (2 X)	C146 10A025 500 2 (2 X)	C146 10B025 500 2 (2 X)
64 + ⊕ 	C146 10A064 000 2	C146 10B064 000 2	C146 10A064 500 2	C146 10B064 500 2
128 + ⊕ 	C146 10A064 000 2 (2 X)	C146 10B064 000 2 (2 X)	C146 10A064 500 2 (2 X)	C146 10B064 500 2 (2 X)

Crimp contacts

Supplied as	for wire gauge	AWG	Packing size	Part Number	
				Male insert	Female insert
Stamped single contacts					
	0,14 - 0,5 mm ²	26 - 20	100	VN01 016 0003 1	VN02 016 0003 1
	0,5 - 1,5 mm ²	20 - 16	100	VN01 016 0002 1	VN02 016 0002 1
	1,5 - 2,5 mm ²	16 - 14	100	VN01 016 0005 1	VN02 016 0005 1
Stamped contacts on reel for hand crimping tools					
	0,14 - 0,5 mm ²	26 - 20	200	ZN01 016 0003 1	ZN02 016 0003 1
	0,5 - 1,5 mm ²	20 - 16	200	ZN01 016 0002 1	ZN02 016 0002 1
	1,5 - 2,5 mm ²	16 - 14	100	ZN01 016 0005 1	ZN02 016 0005 1
Stamped contacts on reel for crimp machines					
Contact feeding left hand side	0,14 - 0,5 mm ²	26 - 20	2000	TN01 016 0003 1	TN02 016 0003 1
	0,5 - 1,5 mm ²	20 - 16	2000	TN01 016 0002 1	TN02 016 0002 1
	1,5 - 2,5 mm ²	16 - 14	2000	TN01 016 0005 1	TN02 016 0005 1
Turned single contacts					
	0,14 - 0,37 mm ²	26 - 22	100	VN01 016 0024 1C	VN02 016 0024 1C
	0,5 mm ²	20	100	VN01 016 0025 1C	VN02 016 0025 1C
	0,75 - 1,0 mm ²	20 - 16	100	VN01 016 0026 1C	VN02 016 0026 1C
	1,5 mm ²	16 - 15	100	VN01 016 0027 1C	VN02 016 0027 1C
	2,5 mm ²	14	100	VN01 016 0028 1C	VN02 016 0028 1C

Tools ¹⁾

Description	for wire gauge	Contact locator	Part Number	
			Crimping dies	Tools
Removal tool for contacts	–	–	–	FG 0300 146 1
Service crimping tool (for stamped contacts)	0,14 - 0,5 mm ² 0,5 - 1,5 mm ²	incl.	incl.	TA 0100 146
Crimping tool for stamped contacts	0,14 - 0,5 mm ² 0,5 - 1,5 mm ² 1,5 - 2,5 mm ²	TA 0001 146 000 1 TA 0002 146 000 1 TA 0007 146 000 3	TA 0000 202 TA 0000 163 TA 0000 141	TA 0000
4-ident Crimping tool for turned contacts	0,14 - 2,5 mm ²	incl.	incl.	TB 0400 146

¹⁾ For further information refer to catalog „Tools“

C 146 E

400 V

16 A / 22 A

Connectors

Inserts for crimp contacts and with screw contacts
(crimp contacts to be ordered separately, screw contacts are included in the insert)

	Number of contacts	without wire protection		with wire protection	
		Male insert	Female insert	Male insert	Female insert
Screw termination	6 +	C146 10A006 002 1	C146 10B006 002 1	C146 10A006 102 1	C146 10B006 102 1
	10 +	C146 10A010 002 1	C146 10B010 002 1	C146 10A010 102 1	C146 10B010 102 1
	16 +	C146 10A016 002 1	C146 10B016 002 1	C146 10A016 102 1	C146 10B016 102 1
	24 +	C146 10A024 002 1	C146 10B024 002 1	C146 10A024 102 1	C146 10B024 102 1
	48 +	C146 10A024 002 1 + C146 10A024 004 1	C146 10B024 002 1 + C146 10B024 004 1	C146 10A024 102 1 + C146 10A024 104 1	C146 10B024 102 1 + C146 10B024 104 1
		for stamped crimp contacts		for turned crimp contacts	
Crimp termination	6 +	C146 10A006 000 1	C146 10B006 000 1	C146 10A006 500 1	C146 10B006 500 1
	10 +	C146 10A010 000 1	C146 10B010 000 1	C146 10A010 500 1	C146 10B010 500 1
	16 +	C146 10A016 000 1	C146 10B016 000 1	C146 10A016 500 1	C146 10B016 500 1
	24 +	C146 10A024 000 1	C146 10B024 000 1	C146 10A024 500 1	C146 10B024 500 1
	48 +	C146 10A024 000 1 + C146 10A024 005 1	C146 10B024 000 1 + C146 10B024 005 1	C146 10A024 500 1 (2 X)	C146 10B024 500 1 (2 X)

Crimp contacts

Supplied as	for wire gauge	AWG	Packing size	Part Number	
				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 crimping 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 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 single contact					
	0,5 mm ²	20	100	VN01 025 0035 1	VN02 025 0035 1
	0,75 - 1,0 mm ²	18	100	VN01 025 0036 1	VN02 025 0036 1
	1,5 mm ²	16	100	VN01 025 0037 1	VN02 025 0037 1
	2,5 mm ²	14	100	VN01 025 0038 1	VN02 025 0038 1
	4,0 mm ²	12	100	VN01 025 0039 1	VN02 025 0039 1

Tools ¹⁾

Description	for wire gauge	Contact locator	Part Number	
			Crimping dies	Tools
Removal tool for stamped contacts	-	-	-	FG 0200 146 1
Crimping tool for stamped single contacts	0,5 - 1,5 mm ² 1,5 - 2,5 mm ²	TA 0004 146 000 1 TA 0005 146 000 3	TA 0000 163 TA 0000 141	TA 0000
4-indent crimping tool for turned contacts	0,5 - 4,0 mm ²	incl.	incl.	TB 0600 146

¹⁾ For further information refer to catalog „Tools“

C 146

Housings ¹⁾








Hoods	Housings with 2 locking-levers		Dimensions in mm				Housings with 1 locking-lever			
for series (number of contacts)	PG top entry	PG side entry	a	b	h	PG	PG top entry	PG side entry		
C 146 D (7,8) C 146 A (3, 4)			26,5	26,5	50	11	C146 10G003 600 4			
			26,5	26,5	48	11		C146 10G003 500 4		
C 146 D (15) C 146 A (10)			62,5	29,5	53	13,5	C146 10G010 600 4	C146 10G010 501 4		
			62,5	29,5	53	16	C146 10G010 601 4	C146 10G010 500 4		
			62,5	29,5	64,5	16	C146 10G015 601 2	C146 10G015 501 2		
			62,5	29,5	64,5	21	C146 10G015 600 2	C146 10G015 500 2		
C 146 D (25) C 146 A (16)			79	29,5	58	16	C146 10G016 600 4	C146 10G016 500 4		
			79	29,5	70,5	16	C146 10G025 601 2	C146 10G025 501 2		
			79	29,5	70,5	21	C146 10G025 600 2	C146 10G025 500 2		
C 146 D (50) C 146 A (32)	C146 10G032 600 4	C146 10G032 500 4	82	56	75	21				
	C146 10G032 601 4	C146 10G032 501 4	82	56	75	29				
	C 146 E (6)		60	43	51	13,5	C146 10G006 600 1	C146 10G006 500 1		
			60	43	51	16	C146 10G006 601 1	C146 10G006 501 1		
			60	43	70	21	C146 10G006 606 8	C146 10G006 506 8		
			60	43	70	29	C146 10G006 607 8	C146 10G006 507 8		
	C 146 E (10)		73	43	51	16	C146 10G010 606 1	C146 10G010 506 1		
			73	43	51	21	C146 10G010 607 1	C146 10G010 507 1		
			73	43	70	21	C146 10G010 606 8	C146 10G010 506 8		
			73	43	70	29	C146 10G010 607 8	C146 10G010 507 8		
C 146 D (40) C 146 E (16) C 146 HSE (6)	C146 10G016 600 1	C146 10G016 500 1	93,5	43	62	21	C146 10G016 606 1	C146 10G016 506 1		
	C146 10G016 601 1	C146 10G016 501 1	93,5	43	62	29	C146 10G016 607 1	C146 10G016 507 1		
	C146 10G016 600 8	C146 10G016 500 8	93,5	43	76	21	C146 10G016 606 8	C146 10G016 506 8		
	C146 10G016 601 8	C146 10G016 501 8	93,5	43	76	29	C146 10G016 607 8	C146 10G016 507 8		
C 146 D (64) C 146 E (24)	C146 10G024 600 1	C146 10G024 500 1	120	43	62	21	C146 10G024 606 1	C146 10G024 506 1		
	C146 10G024 601 1	C146 10G024 501 1	120	43	62	29	C146 10G024 607 1	C146 10G024 507 1		
	C146 10G024 600 8	C146 10G024 500 8	120	43	76	21	C146 10G024 606 8	C146 10G024 506 8		
	C146 10G024 601 8	C146 10G024 501 8	120	43	76	29	C146 10G024 607 8	C146 10G024 507 8		
C 146 D (128) C 146 E (48)			132	90	105	29	C146 10G048 606 1	C146 10G048 506 1		
			132	90	105	36	C146 10G048 607 1	C146 10G048 507 1		
			132	90	105	42	C146 10G048 608 1	C146 10G048 508 1		
Housing bulkhead mounting			a	b	c	e	h	without cover	with spring cover	
for series (number of contacts)										
C 146 D (7, 8) C 146 A (3,4)			30	40	-	28	22	C146 10F003 000 4		
C 146 D (15) C 146 A (10)			70	81	17,5	29,5	26	C146 10F015 000 2	C146 10F015 003 2	
C 146 D (25) C 146 A (16)			85	96	17,5	29,5	26	C146 10F025 000 2	C146 10F025 003 2	
C 146 D (50) C 146 A (32)	C146 10F032 000 4		92	102	42	57	26			
	C 146 E (6)		70	80	32	43	28,5	C146 10F006 000 1	C146 10F006 003 1	
	C 146 E (10)		83	93	32	43	28,5	C146 10F010 001 1	C146 10F010 003 1	
C 146 D (40) C 146 E (16)	C146 10F016 000 1		103	113	32	43	28,5	C146 10F016 001 1	C146 10F016 003 1	
C 146 D (64) C 146 E (24)	C146 10F024 000 1		130	140	32	43	28,5	C146 10F024 001 1	C146 10F024 003 1	
C 146 D (128) C 146 E (48)			148	165	70	90	43	C146 10F048 001 1	C146 10F048 003 1	
Housing	Single side entry	Double side entry	a	b	c	e	h	without cover	with spring cover	
for series (number of contacts)										
C 146 D (7, 8) C 146 A (3,4)			30	40	-	40	26	C146 10F003 500 4		
C 146 D (15) C 146 A (10)			48	84	40	50	52	C146 10F015 501 2	C146 10F015 807 2	
			48	84	40	50	52	C146 10F015 500 2	C146 10F015 806 2	
C 146 D (25) C 146 A (16)			64	101	40	50	57	C146 10F025 501 2	C146 10F025 807 2	
			64	101	40	50	57	C146 10F025 500 2	C146 10F025 806 2	
C 146 D (50) C 146 A (32)	C146 10F032 500 4	C146 10F032 600 4	94	106	46	57	75	21		
	C146 10F032 501 4	C146 10F032 601 4	94	106	46	57	75	29		
	C 146 E (6)		70	84	40	54	54	16	C146 10F006 500 1	C146 10F006 806 1
	C 146 E (10)		82	94	40	54	57	16	C146 10F010 802 1	C146 10F010 806 1
C 146 D (40) C 146 E (16)	C146 10F016 500 1	C146 10F016 600 1	105	117	45	57	64	21	C146 10F016 802 1	C146 10F016 806 1
	C 146 HSE (6)	C146 10F040 500 2	105	117	45	57	77	29	C146 10F040 802 2	C146 10F040 806 2
C 146 D (64) C 146 E (24)	C146 10F024 500 1	C146 10F024 600 1	132	144	45	57	64	21	C146 10F024 802 1	C146 10F024 806 1
	C146 10F064 500 2	C146 10F064 600 2	132	144	45	57	80	29	C146 10F064 802 2	C146 10F064 806 2
C 146 D (128) C 146 E (48)			111	132	106	120	100	29	C146 10F048 802 1	C146 10F048 806 1
			111	132	106	120	100	36	C146 10F048 803 1	C146 10F048 807 1

¹⁾ Further housing versions see main catalog C 146


C 146 A
C 146 HSE
C 146 E / D
Terminal blocks

C 146 A	250 V	10 A / 16 A
C 146 HSE	400 V	42 A
C 146 E / D Terminal blocks	250 V / 400 V	10 A / 16 A





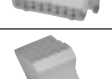
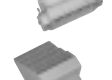

C 146 A


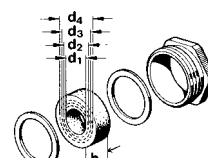

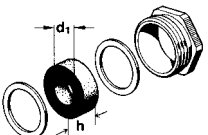


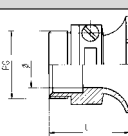

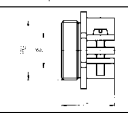

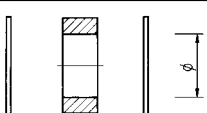

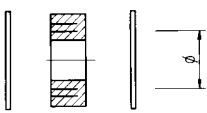
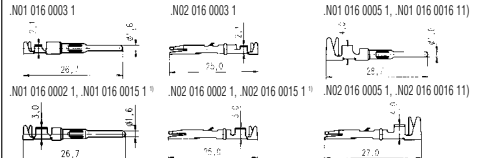
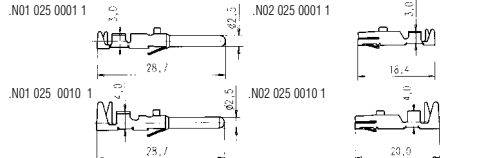
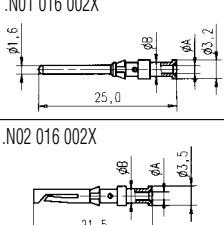
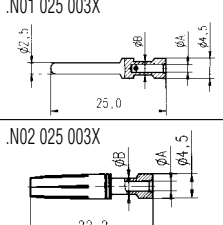
Number of contacts	without wire protection		with wire protection	
	Male insert	Female insert	Male insert	Female insert
3+ 	C146 10A003 002 4	C146 10B003 002 4	-	-
4+ 	C146 10A004 002 4	C146 10B004 002 4	-	-
10+ 	C146 10A010 002 4	C146 10B010 002 4	C146 10A010 102 4	C146 10B010 102 4
16+ 	C146 10A016 002 4	C146 10B016 002 4	C146 10A016 102 4	C146 10B016 102 4
32+ 	C146 10A016 002 4 + C146 10A016 004 4	C146 10B016 002 4 + C146 10B016 004 4	C146 10A016 102 4 (2 X)	C146 10B016 102 4 (2 X)

C 146 HSE

Number of contacts	without wire protection		with wire protection	
	Male insert	Female insert	Male insert	Female insert
6+ 			C146 10A006 102 5	C146 10B006 102 5

C 146 Terminal blocks

Number of contacts	Protected earth left		Protected earth right	
	Male insert	Female insert	Male insert	Female insert
6+  Protected earth left	C146 12A006 102 1	C146 12B006 102 1	C146 12A006 152 1	C146 12B006 152 1
10+ 	C146 12A010 102 1	C146 12B010 102 1	C146 12A010 152 1	C146 12B010 152 1
16+  Protected earth right	C146 12A016 102 1	C146 12B016 102 1	C146 12A016 152 1	C146 12B016 152 1
24+ 	C146 12A024 102 1	C146 12B024 102 1	C146 12A024 152 1	C146 12B024 152 1
40+  Protected earth left	C146 12A040 102 2	C146 12B040 102 2	C146 12A040 152 2	C146 12B040 152 2
64+ 	C146 12A064 102 2	C146 12B064 102 2	C146 12A064 152 2	C146 12B064 152 2
Fixing element for mounting rail (DIN bar)			C146 N21 040 E1 X (10 pcs)	

Description	Drawing	d1	d2	d3	d4	h	PG	Pieces	Part Number
PG gland bushings Metal, with variable inner diameter IP 65 		7	10	12,5	15	5	11	10	VN16 110 0014 (Thermoplast)
		7	10,5	13	16	7	13,5	10	VN16 135 0014
		8	10,5	13,5	22	7,5	16	10	VN16 160 0014
		11	15	18	31	9	21	10	VN16 210 0014
		19	23	27	35	10	29	10	VN16 290 0014
		25	28	31	46	12	36	10	VN16 360 0014
		35,5	39	42,5	—	13,5	42	10	VN16 420 0014
PG gland bushings Metal, with standard diameter IP 65 		11	—	—	6	—	11	10	VN16 110 0013 (Thermoplast)
		13	—	—	6,6	—	13,5	10	VN16 135 0013
		15	—	—	7,5	—	16	10	VN16 160 0013
		20	—	—	8	—	21	10	VN16 210 0013
		29	—	—	9,5	—	29	10	VN16 290 0013
		36	—	—	12	—	36	10	VN16 360 0013
		42	—	—	14	—	42	10	VN16 420 0013
Description	Clamping range Ø	A mm	C mm	D mm	PG	Pieces	Part Number		
Gland bushing with vibration protection IP 67 Material PA -20 °C + 80 °C 	4 - 10 mm	24,4	38	8	11	10	N16 110 0027 X		
	5 - 12 mm	26,5	41	9	13,5	10	N16 135 0027 X		
	9 - 14 mm	29,5	44	10	16	10	N16 160 0027 X		
	13 - 18 mm	36,2	49	11	21	10	N16 210 0027 X		
	14 - 25 mm	43,6	56	11	29	10	N16 290 0027 X		
Description	Drawing	Ø	L	PG	Pieces	Part Number			
Cable seals without sealing 		10,5	35	11	5	VN16 110 000 4 (Thermoplast)			
		14	24	13,5	5	VN16 135 000 2			
		16	24,5	16	5	VN16 160 000 2			
		21	27	21	5	VN16 210 000 2			
Cable seals without sealing 		14	18	13,5	5	VN16 135 000 3			
		16	19,5	16	5	VN16 160 000 3			
		21	21	21	5	VN16 210 000 3			
		30	21,5	29	5	VN16 290 000 3			
Sealing, pressure disk 		11	—	11	10	N16 110 0028 X			
		13	—	13,5	10	N16 135 0028 X			
		15	—	16	10	N16 160 0028 X			
		20	—	21	10	N16 210 0028 X			
		29	—	29	10	N16 290 0028 X			
Sealing with variable inner diameter, pressure disk 		7	12,5	11	10	N16 110 0029 X			
		7	12,5	13,5	10	N16 135 0029 X			
		8	6	16	10	N16 160 0029 X			
		11	22	21	10	N16 210 0029 X			
		19	31	29	10	N16 290 0029 X			
Drawings	Drawings single contact C 146 D				Drawings single contact C 146 E				
stamped crimp contacts									
	turned crimp contacts								
.N01 016 002X		Ø 0,14 - 0,37	A 0,9	B 2,6	.N01 025 003X		Ø 0,5	A 1,1	B 2,6
		Ø 0,5	A 1,1	B 2,6			Ø 0,75 - 1,0	A 1,45	B 2,6
		Ø 0,75 - 1,0	A 1,45	B 2,6			Ø 1,5	A 1,75	B 3,0
		Ø 1,5	A 1,75	B 3,0			Ø 2,5	A 2,3	B 3,2
		Ø 2,5	A 2,25	B 3,2			Ø 4,0	A 2,9	B 4,0
.N02 016 002X		Ø 0,14 - 0,37	A 0,9	B 2,6	.N02 025 003X		Ø 0,5	A 1,1	B 2,6
		Ø 0,5	A 1,1	B 2,6			Ø 0,75 - 1,0	A 1,45	B 2,6
		Ø 0,75 - 1,0	A 1,45	B 2,6			Ø 1,5	A 1,75	B 3,0
		Ø 1,5	A 1,75	B 3,0			Ø 2,5	A 2,3	B 3,2
		Ø 2,5	A 2,25	B 3,2			Ø 4,0	A 2,9	B 4,0