

Amphenol

Rectangular Interconnects

C146 Heavy Duty Industrial Connectors – Housings

Materials

Metal Housing	- Zinc Die Cast Alloy
Plastic Housing	- PBT
Protective Cover	- PA
Rubber Gasket	- NBR
Locking Lever	- Steel/Zinc Coated
Surface Finish	- Powder Coating
EMV Surface Finish	- Special Alloy

Mechanical

Mating Cycles - + 500 Cycles

Electrical

See Inserts

Climatic

Temp Range - -40°C / +100°C
 Lower Temp - -40°C / 16 h
 Upper Temp - +100°C / 1000 h

Protection




Housing - IP65
 Spring Cover Locked - IP65
 Spring Cover Unlocked - IP53





Mating

Locking System - 1 or 2 Lock-Levers

Conformance

Standard - DIN 43652





Bulkhead Housing Series (no. of contacts)	Housings with 2 Locking-levers Without Spring Cover		Housings with 1 Locking-lever		
			Without Spring Cover	With Spring Cover	
Note: Make sure to match series with matching series of Connector Inserts, pages K-7 & K-8 and Frames, page K-9 Mating Half of Hoods on page K-6					
	Part Number				
	C146A (3/4)			C146 10F003 000 4	
	C146A (10)			C146 10F015 000 2	C146 10F015 003 2
	C146A (16)			C146 10F025 000 2	C146 10F025 003 2
	C146A (32)	C146 10F032 000 4			
	C146E (6) C146M – 2 Module			C146 10F006 000 1	C146 10F006 003 1
	C146E (10) C146M – 3 Module	C146 10F010 000 1		C146 10F010 001 1	C146 10F010 003 1
	C146E (16) C146M – 5 Module	C146 10F016 000 1		C146 10F016 001 1	C146 10F016 003 1
	C146E (24) C146M – 7 Module	C146 10F024 000 1		C146 10F024 001 1	C146 10F024 003 1
C146E (48) C146M – 14 Module			C146 10F048 001 1	C146 10F048 003 1	

Housing Series (no. of contacts)	Housings with 2 Locking-levers		Housings with 1 Locking-lever		PG	
	Single Side Entry	Double Side Entry	Without Spring Cover	With Spring Cover		
Note: Make sure to match series with matching series of Connector Inserts, pages K-7 & K-8 and Frames, page K-9 Mating Half of Hoods on page K-6						
						
	Part Number					
	C146A (3/4)			C146 10F003 500 4		11
	C146A (10)			C146 10F015 501 2	C146 10F015 807 2	16
				C146 10F015 500 2	C146 10F015 806 2	21
	C146A (16)			C146 10F025 501 2	C146 10F025 807 2	16
				C146 10F025 500 2	C146 10F025 806 2	21
	C146A (32)	C146 10F032 500 4	C146 10F032 600 4			21
		C146 10F032 501 4	C146 10F032 601 4			29
C146E (6) C146M – 2 Module			C146 10F006 500 1	C146 10F006 806 1	16	
C146E (10) C146M – 3 Module	C146 10F010 500 1	C146 10F010 600 1	C146 10F010 802 1	C146 10F010 806 1	16	
C146E (16) C146M – 5 Module	C146 10F016 500 1	C146 10F016 600 1	C146 10F016 802 1	C146 10F016 806 1	21	
	C146 10F040 500 2	C146 10F040 600 2	C146 10F040 802 2	C146 10F040 806 2	29	
C146E (24) C146M – 7 Module	C146 10F024 500 1	C146 10F024 600 1	C146 10F024 802 1	C146 10F024 806 1	21	
	C146 10F064 500 2	C146 10F064 600 2	C146 10F064 802 2	C146 10F064 806 2	29	
C146E (48) C146M – 14 Module			C146 10F048 802 1	C146 10F048 806 1	29	
			C146 10F048 803 1	C146 10F048 807 1	36	

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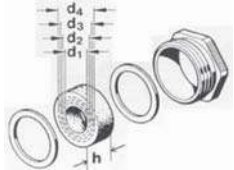
Rectangular Interconnects

C146 Heavy Duty Industrial Connectors – Hoods

Hoods Series (no. of contacts) <i>Note: Make sure to match series with matching series of Connector Inserts, pages K-7 & K-8 and Frames, page K-9</i> <i>Mating Half of Housing on page K-5</i>	Housings with 2 Locking-levers		Housings with 1 Locking-lever		PG
	PG Top Entry	PG Side Entry	PG Top Entry	PG Side Entry	
					
Part Number					
C146A (3/4)			C146 10G003 600 4	C146 10G003 500 4	11
C146A (10)			C146 10G010 600 4	C146 10G010 501 4	13,5
			C146 10G010 601 4	C146 10G010 500 4	16
			C146 10G015 601 2	C146 10G015 501 2	16
			C146 10G015 600 2	C146 10G015 500 2	21
C146A (16)			C146 10G016 600 4	C146 10G016 500 4	16
			C146 10G025 601 2	C146 10G025 501 2	16
			C146 10G025 600 2	C146 10G025 500 2	21
C146A (32)			C146 10G032 600 4	C146 10G032 500 4	21
			C146 10G032 601 4	C146 10G032 501 4	29
C146E (6) C146M – 2 Module			C146 10G006 600 1	C146 10G006 500 1	13,5
			C146 10G006 601 1	C146 10G006 501 1	16
			C146 10G006 606 8	C146 10G006 506 8	21
			C146 10G006 607 8	C146 10G006 507 8	29
C146E (10) C146M – 3 Module			C146 10G010 600 1	C146 10G010 500 1	16
			C146 10G010 601 1	C146 10G010 501 1	21
			C146 10G010 600 8	C146 10G010 500 8	21
			C146 10G010 601 8	C146 10G010 501 8	29
C146E (16) C146M – 5 Module			C146 10G016 600 1	C146 10G016 500 1	21
			C146 10G016 601 1	C146 10G016 501 1	29
			C146 10G016 600 8	C146 10G016 500 8	21
			C146 10G016 601 8	C146 10G016 501 8	29
C146E (24) C146M – 7 Module			C146 10G024 600 1	C146 10G024 500 1	21
			C146 10G024 601 1	C146 10G024 501 1	29
			C146 10G024 600 8	C146 10G024 500 8	21
			C146 10G024 601 8	C146 10G024 501 8	29
C146E (48) C146M – 14 Module			C146 10G048 606 1	C146 10G048 506 1	29
			C146 10G048 607 1	C146 10G048 507 1	36
			C146 10G048 608 1	C146 10G048 508 1	42

C146 Cable Glands

Part Number	Ø	d1	d2	d3	d4	h
VN16 110 0014	11	7	10	12.5	15	5
VN16 160 0014	16	8	10.5	13.5	22	7.5
VN16 210 0014	21	11	15	18	31	9
VN16 290 0014	29	19	23	27	35	10
VN16 360 0014	36	25	28	31	46	10
VN16 420 0014	42	35.5	39	42.5	46	13.5



C146 Additional Products

Series	Voltage	Current	Termination	Contact Ø	No. of Contacts
C146 D	250 V	10 – 16 A	Crimp	1.6 mm	7, 15, 25, 40, 50, 64, 128
C146 DD	250 V	8 – 9 A	Crimp	1.6 mm	24, 42, 72, 108
C146 E/D	Terminal Blocks - Specs Identical to C146 D & C146 E				C146D: 40 – 64 Contacts / C146E: 6 – 24 Contacts
C146 E FE/KO	400 V	10 A	Screw	0.25 – 2.5 mm	6, 10, 16, 24
	Iron / Constantan Thermocouple Contacts				
C146 HSE	400 V	42 A	Screw	6 mm	6
C146 HvE	660 V	16 – 22 A	Screw	0.25 – 2.5 mm	3, 6, 10, 16, 20, 26, 32
C146 S	125 – 660 V	10 – 70 A	Crimp / Screw / Solder	2.5 – 16 mm	4, 7, 57
C146 EMC	Conductive housing surface with high attenuation				

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