

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 |

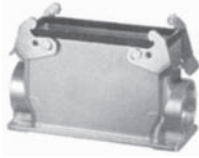

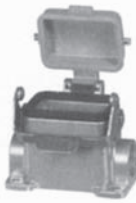
Mating

| | |
|----------------|----------------------|
| 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 | |
| <p>Note: Make sure to match series with matching series of Connector Inserts, pages K-7 & K-8 and Frames, page K-9</p> <p>Mating Half of Hoods on page K-6</p> |  | |  | | |
| | | |  | | |
| | 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 | | | |
| <p>Note: Make sure to match series with matching series of Connector Inserts, pages K-7 & K-8 and Frames, page K-9</p> <p>Mating Half of Hoods on page K-6</p> |  | |  | | PG | | |
| | | | | | |  | |
| | 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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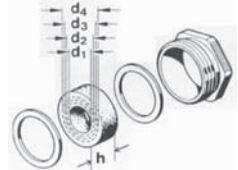
Rectangular Interconnects

C146 Heavy Duty Industrial Connectors – Hoods

| 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 | C146 10G010 606 1 | C146 10G010 506 1 | 16 |
| | C146 10G010 601 1 | C146 10G010 501 1 | C146 10G010 607 1 | C146 10G010 507 1 | 21 |
| | C146 10G010 600 8 | C146 10G010 500 8 | C146 10G010 606 8 | C146 10G010 506 8 | 21 |
| | C146 10G010 601 8 | C146 10G010 501 8 | C146 10G010 607 8 | C146 10G010 507 8 | 29 |
| C146E (16) C146M – 5 Module | C146 10G016 600 1 | C146 10G016 500 1 | C146 10G016 606 1 | C146 10G016 506 1 | 21 |
| | C146 10G016 601 1 | C146 10G016 501 1 | C146 10G016 607 1 | C146 10G016 507 1 | 29 |
| | C146 10G016 600 8 | C146 10G016 500 8 | C146 10G016 606 8 | C146 10G016 506 8 | 21 |
| | C146 10G016 601 8 | C146 10G016 501 8 | C146 10G016 607 8 | C146 10G016 507 8 | 29 |
| C146E (24) C146M – 7 Module | C146 10G024 600 1 | C146 10G024 500 1 | C146 10G024 606 1 | C146 10G024 506 1 | 21 |
| | C146 10G024 601 1 | C146 10G024 501 1 | C146 10G024 607 1 | C146 10G024 507 1 | 29 |
| | C146 10G024 600 8 | C146 10G024 500 8 | C146 10G024 606 8 | C146 10G024 506 8 | 21 |
| | C146 10G024 601 8 | C146 10G024 501 8 | C146 10G024 607 8 | C146 10G024 507 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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