



GREEN ELECTRONICS



**CVF**

Terminal Blocks and Connectors for Printed Circuit Boards



ISO  
9001



ISO  
14001



BS OHSAS  
18001:2007



**SAUR®**  
ELECTRONIC CONNECTORS

## Functional characteristics



**Dimensional class:**  
medium



**Standard colour:**  
green



**Dimensions:**  
12.5 x 25 mm  
(.492 x .984 in)



**Max approved wire size:**  
solid: 2.5 mm<sup>2</sup> (VDE); 12 AWG (UL)  
stranded: 2.5 mm<sup>2</sup> (VDE); 12 AWG (UL)  
**Clamp opening size:**  
2.5 x 2.4 mm (.098 x .094 in)



**Versions:**  
right or left side stackable,  
right or left modular,  
right or left locking screw flanges



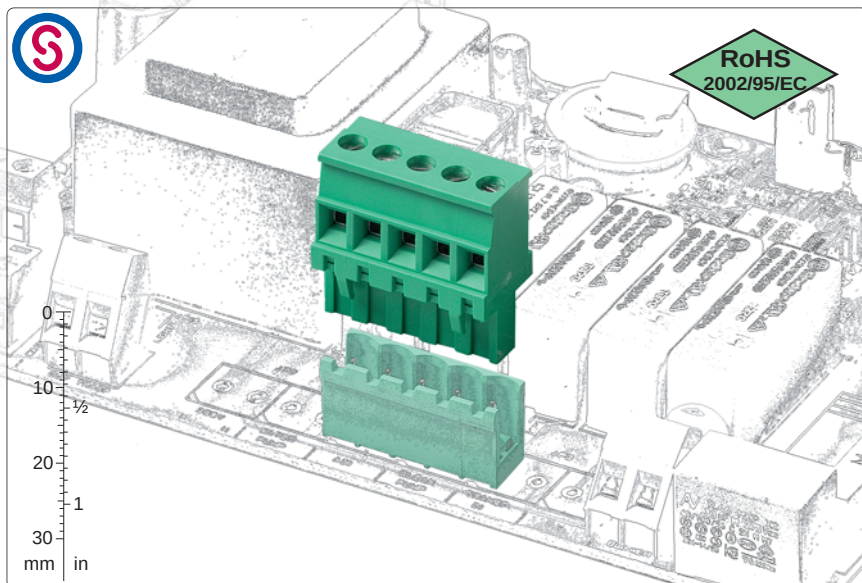
**Single Mould Poles:**  
from 2 to 25 (modular and side stackable)  
from 2 to 23 (locking screw flanges)



**Pitches:**  
metric 5 mm, 7.5 mm, 10 mm  
(.197 in, .295 in, .394 in)



imperial 5.08 mm, 7.62 mm, 10.16 mm  
(.200 in, .300 in, .400 in)



pitch 5/5.08 mm  
from 2 to 25 poles  
right version  
side stackable



pitch 5/5.08 mm  
from 2 to 25 poles  
left version  
side stackable



pitch 5/5.08 mm  
from 2 to 23 poles  
right version  
locking screw flange



available accessories:  
from 2 to 9 poles  
BSC for rising clamp



example of use of CIF-LC1



CIF-LC1  
coding splines

## Brief description

The **CVF** vertical female connector series makes it possible to use wires up to 2.5mm<sup>2</sup> (12 AWG) and consequently a current range of 15° certified can be reached.

It is available in 5 mm (.197 in), 7.5 mm (.295 in) and 10 mm (.394 in) metric pitches and in 5.08 mm (.200 in), 7.62 (.300 in) and 10.16 mm (.400 in) Imperial pitches, in monolithic blocks from 2 to 25 poles, in side-stackable or modular versions or with flanges.

The **CVF** connector series for PCBs is characterized by an asymmetric profile, so mistakes are prevented when connections are made with the relative **CIM**, **CPM** or **CRM** male connectors soldered to the board or the **CGM** connectors with screw connection to the wire. Further safety when

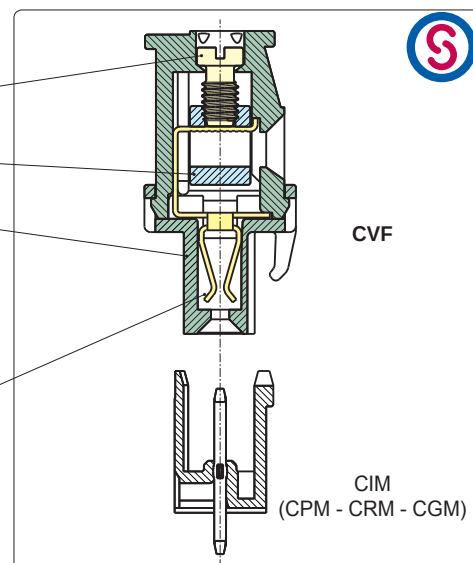
connecting can be obtained by using the CIF-LC1 and CIM-SCI coding splines and coding clips (see page 20-21) or COF-SP1 polarization pegs.

It is possible to side-stack or assemble the basic modular connectors in order to obtain any number of poles without losing the pitch. By taking advantage of this particular characteristic a minimum stock of basic connectors can be kept.

It is simple to manage the product, the warehouse and the assembly with the Kit packages because several versions can be received with only one code, the part-numbers are significantly reduced and the risk of making mistakes is also reduced.

## Characteristics of components

- M3 nickel plated copper alloy screw.
- Nickel-plated copper alloy rising clamp.
- PA 6.6 polyamide housing.  
Standard colour: GREEN.  
V0 Self-extinguishing according to UL 94.  
Chlorinated solvents resistant,  
with no phosphor, dioxin or  
detrimental to health halogens.
- Leadfree tin-plated copper alloy spring.



## Mechanical characteristics

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Insertion force per pole              | max 3 N (.674 lbf)                  |
| Withdrawal force per pole             | min 1,5 N (.337 lbf)                |
| Recommended/Highest tightening torque | 0.5/0.6 Nm (4.42/5.3 lbf*in)        |
| Stripping length                      | 6 ÷ 7.5 mm (.24 ÷ .30 in)           |
| Operating temperature range           | -40 °C ÷ +110 °C (-40 °F ÷ +230 °F) |
| Climatic category                     | 40/110/21 according to EN 60068-1   |

## Electric characteristics\*

|                                                                |                                                        |
|----------------------------------------------------------------|--------------------------------------------------------|
| Solid wire section                                             | 0.05 ÷ 2.5 mm <sup>2</sup> (VDE, IMQ)* 30÷12 AWG (UL)* |
| Stranded wire section                                          | 0.05 ÷ 2.5 mm <sup>2</sup> (VDE, IMQ)* 30÷12 AWG (UL)* |
| Rated voltage for 5 mm (.197 in) and 5.08 mm (.200 in) pitch   | 320 V (IMQ)*                                           |
| Rated voltage for 7.5 mm (.295 in) and 7.62 mm (.300 in) pitch | 500 V (IMQ)*                                           |
| Rated voltage for 10 mm (.394 in) and 10.16 mm (.400 in) pitch | 800 V (IMQ)*                                           |
| Rated current                                                  | 16 A (VDE)*                                            |
| Contact resistance                                             | <15 mΩ                                                 |
| Insulation resistance                                          | >10 <sup>9</sup> Ω (500V DC)                           |

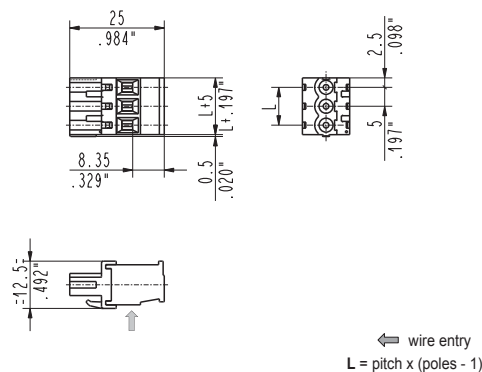
\*All the a.m. data refer to the highest values amongst the certificated ones.

V voltage, I current values and tightening torque are related to the norms to be applied to the product and to its use.

## Approvals

|        |                  |                                                                                                     |                                                                                                           |
|--------|------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
| IEC-EN | IEC:             | for 5 mm and 5.08 mm pitch:                                                                         | 200 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 4kV - 3 / 320 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 4kV - 2 |
|        | EN 61984         | for 7.5 mm and 7.62 mm pitch:                                                                       | 320 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 6kV - 3 / 500 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 6kV - 2 |
|        |                  | for 10 mm and 10.16 mm pitch:                                                                       | 500 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 8kV - 3 / 800 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 8kV - 2 |
| UL     | UL:              | 300 V - 15 A - 30÷12 AWG - 7 lbf-in for 5 mm, 5.08 mm, 7.5 mm and 7.62 mm pitch                     |                                                                                                           |
|        | File E167473     | 600 V - 15 A - 30÷12 AWG - 7 lbf-in for 10 mm and 10.16 mm pitch                                    |                                                                                                           |
|        |                  | Application values for end-use equipment have to be in accordance to UL norms and applicable to it. |                                                                                                           |
| VDE    | VDE:             | for 5 mm and 5.08 mm pitch:                                                                         | 250 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 2,5kV - 2                                                     |
|        | File n. 40027448 | for 7.5 mm and 7.62 mm pitch:                                                                       | 500 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 4kV - 2                                                       |
|        |                  | for 10 mm and 10.16 mm pitch:                                                                       | 750 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 6kV - 2                                                       |
| IMQ    | IMQ:             | for 5 mm and 5.08 mm pitch:                                                                         | 200 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 4kV - 3 / 320 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 4kV - 2 |
|        | File n. EM672    | for 7.5 mm and 7.62 mm pitch:                                                                       | 320 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 6kV - 3 / 500 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 6kV - 2 |
|        |                  | for 10 mm and 10.16 mm pitch:                                                                       | 500 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 8kV - 3 / 800 V - 16 A - 2.5 mm <sup>2</sup> - T110 - 8kV - 2 |

(M) Pat.



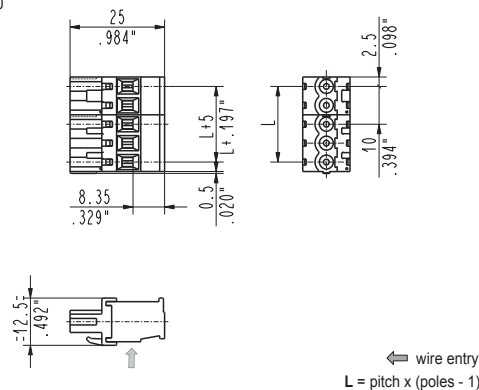
### CVF\_0M1

right, modular, female

5 mm / .197" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020M1 | 500       | 2,08    | 1500       | 6,24    |
| 03    | CVF030M1 | 400       | 2,50    | 1000       | 6,24    |
| 04    | CVF040M1 | 300       | 2,50    | 1000       | 8,32    |
| 05    | CVF050M1 | 250       | 2,60    | 750        | 7,80    |
| 06    | CVF060M1 | 200       | 2,50    | 500        | 6,24    |
| 07    | CVF070M1 | 175       | 2,55    | 500        | 7,28    |
| 08    | CVF080M1 | 150       | 2,50    | 500        | 8,32    |
| 09    | CVF090M1 | 125       | 2,34    | 250        | 4,68    |
| 10    | CVF100M1 | 100       | 2,08    | 250        | 5,20    |
| 11    | CVF110M1 | 100       | 2,29    | 250        | 5,72    |
| 12    | CVF120M1 | 75        | 1,87    | 250        | 6,24    |

(M) Pat.



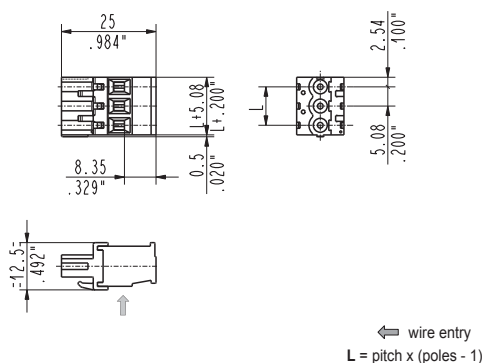
### CVF\_0M2

right, modular, female

10 mm / .394" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 01    | CVF010M2 | 500       | 1,33    | 1500       | 3,98    |
| 02    | CVF020M2 | 400       | 2,12    | 1000       | 5,30    |
| 03    | CVF030M2 | 250       | 1,99    | 1000       | 7,95    |
| 04    | CVF040M2 | 175       | 1,86    | 500        | 5,30    |
| 05    | CVF050M2 | 125       | 1,66    | 500        | 6,63    |
| 06    | CVF060M2 | 100       | 1,59    | 250        | 3,98    |

(M) Pat.



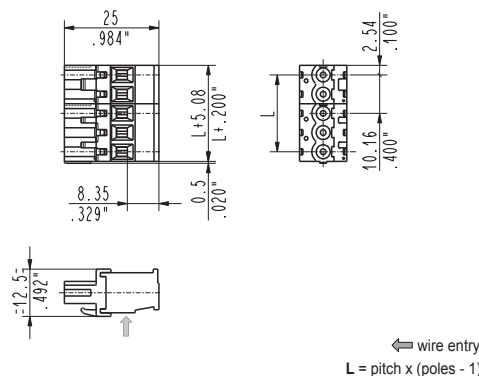
### CVF\_0M5

right, modular, female

5.08 mm / .200" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020M5 | 500       | 2,08    | 1500       | 6,24    |
| 03    | CVF030M5 | 400       | 2,50    | 1000       | 6,24    |
| 04    | CVF040M5 | 300       | 2,50    | 1000       | 8,32    |
| 05    | CVF050M5 | 250       | 2,60    | 750        | 7,80    |
| 06    | CVF060M5 | 200       | 2,50    | 500        | 6,24    |
| 07    | CVF070M5 | 175       | 2,55    | 500        | 7,28    |
| 08    | CVF080M5 | 150       | 2,50    | 500        | 8,32    |
| 09    | CVF090M5 | 125       | 2,34    | 250        | 4,68    |
| 10    | CVF100M5 | 100       | 2,08    | 250        | 5,20    |
| 11    | CVF110M5 | 100       | 2,29    | 250        | 5,72    |
| 12    | CVF120M5 | 75        | 1,87    | 250        | 6,24    |

(M) Pat.



### CVF\_0M6

right, modular, female

10.16 mm / .400" pitch

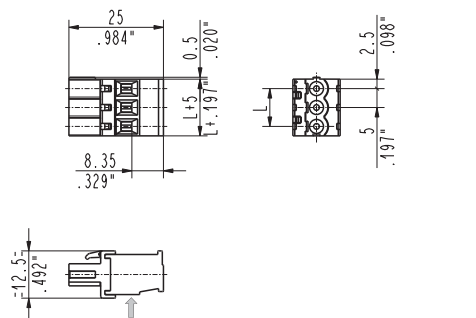
| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 01    | CVF010M6 | 500       | 1,33    | 1500       | 3,98    |
| 02    | CVF020M6 | 400       | 2,12    | 1000       | 5,30    |
| 03    | CVF030M6 | 250       | 1,99    | 1000       | 7,95    |
| 04    | CVF040M6 | 175       | 1,86    | 500        | 5,30    |
| 05    | CVF050M6 | 125       | 1,66    | 500        | 6,63    |
| 06    | CVF060M6 | 100       | 1,59    | 250        | 3,98    |

\*W [kg]: approximate weight per box in kg

\*\*Industrial packaging: add "-00000E" at standard code



(M) Pat.

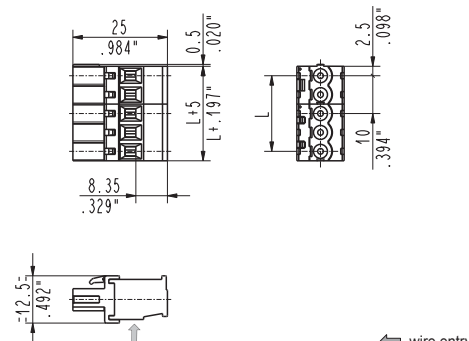


← wire entry  
L = pitch x (poles - 1)

**CVF\_0W1****left, modular, female****5 mm / .197" pitch**

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020W1 | 500       | 2,08    | 1500       | 6,24    |
| 03    | CVF030W1 | 400       | 2,50    | 1000       | 6,24    |
| 04    | CVF040W1 | 300       | 2,50    | 1000       | 8,32    |
| 05    | CVF050W1 | 250       | 2,60    | 750        | 7,80    |
| 06    | CVF060W1 | 200       | 2,50    | 500        | 6,24    |
| 07    | CVF070W1 | 175       | 2,55    | 500        | 7,28    |
| 08    | CVF080W1 | 150       | 2,50    | 500        | 8,32    |
| 09    | CVF090W1 | 125       | 2,34    | 250        | 4,68    |
| 10    | CVF100W1 | 100       | 2,08    | 250        | 5,20    |
| 11    | CVF110W1 | 100       | 2,29    | 250        | 5,72    |
| 12    | CVF120W1 | 75        | 1,87    | 250        | 6,24    |

(M) Pat.

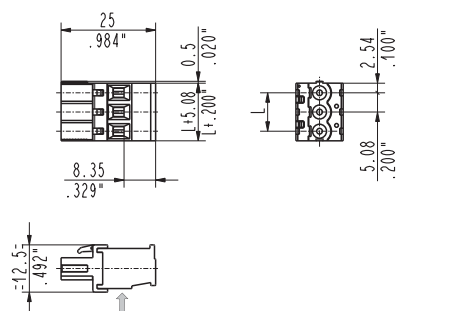


← wire entry  
L = pitch x (poles - 1)

**CVF\_0W2****left, modular, female****10 mm / .394" pitch**

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 01    | CVF010W2 | 500       | 1,33    | 1500       | 3,98    |
| 02    | CVF020W2 | 400       | 2,12    | 1000       | 5,30    |
| 03    | CVF030W2 | 250       | 1,99    | 1000       | 7,95    |
| 04    | CVF040W2 | 175       | 1,86    | 500        | 5,30    |
| 05    | CVF050W2 | 125       | 1,66    | 500        | 6,63    |
| 06    | CVF060W2 | 100       | 1,59    | 250        | 3,98    |

(M) Pat.

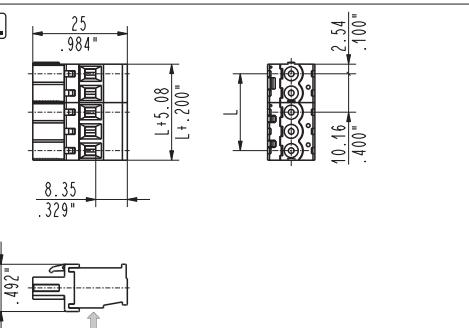


← wire entry  
L = pitch x (poles - 1)

**CVF\_0W5****left, modular, female****5.08 mm / .200" pitch**

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020W5 | 500       | 2,08    | 1500       | 6,24    |
| 03    | CVF030W5 | 400       | 2,50    | 1000       | 6,24    |
| 04    | CVF040W5 | 300       | 2,50    | 1000       | 8,32    |
| 05    | CVF050W5 | 250       | 2,60    | 750        | 7,80    |
| 06    | CVF060W5 | 200       | 2,50    | 500        | 6,24    |
| 07    | CVF070W5 | 175       | 2,55    | 500        | 7,28    |
| 08    | CVF080W5 | 150       | 2,50    | 500        | 8,32    |
| 09    | CVF090W5 | 125       | 2,34    | 250        | 4,68    |
| 10    | CVF100W5 | 100       | 2,08    | 250        | 5,20    |
| 11    | CVF110W5 | 100       | 2,29    | 250        | 5,72    |
| 12    | CVF120W5 | 75        | 1,87    | 250        | 6,24    |

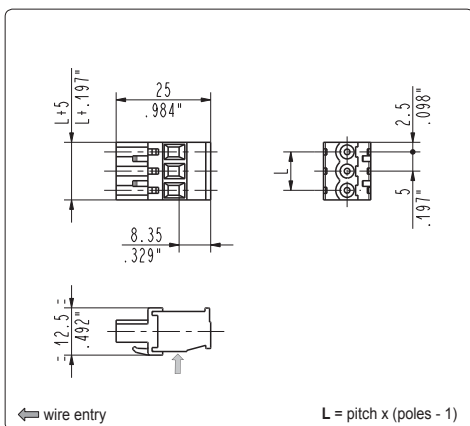
(M) Pat.



← wire entry  
L = pitch x (poles - 1)

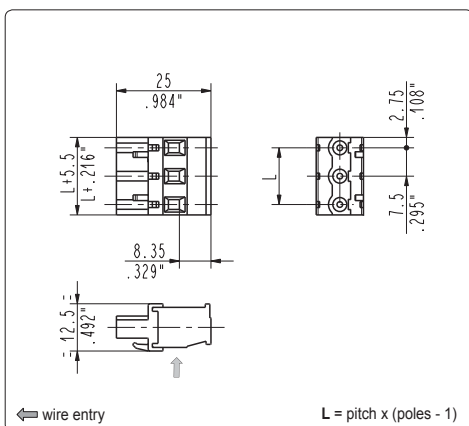
**CVF\_0W6****left, modular, female****10.16 mm / .400" pitch**

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 01    | CVF010W6 | 500       | 1,33    | 1500       | 3,98    |
| 02    | CVF020W6 | 400       | 2,12    | 1000       | 5,30    |
| 03    | CVF030W6 | 250       | 1,99    | 1000       | 7,95    |
| 04    | CVF040W6 | 175       | 1,86    | 500        | 5,30    |
| 05    | CVF050W6 | 125       | 1,66    | 500        | 6,63    |
| 06    | CVF060W6 | 100       | 1,59    | 250        | 3,98    |



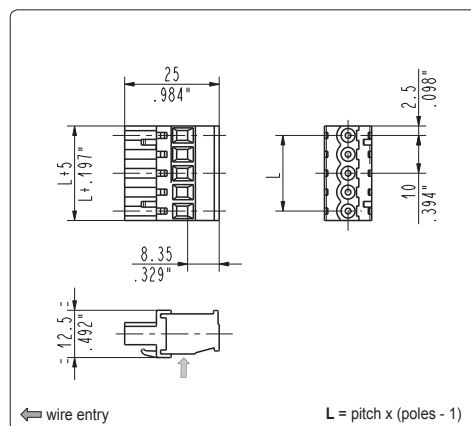
CVF\_0R1 right, side stackable, female

| 5 mm / .197" pitch |          |           |         |            |         |
|--------------------|----------|-----------|---------|------------|---------|
| Poles              | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                 | CVF020R1 | 500       | 2,08    | 1500       | 6,24    |
| 03                 | CVF030R1 | 400       | 2,50    | 1000       | 6,24    |
| 04                 | CVF040R1 | 300       | 2,50    | 1000       | 8,32    |
| 05                 | CVF050R1 | 250       | 2,60    | 750        | 7,80    |
| 06                 | CVF060R1 | 200       | 2,50    | 500        | 6,24    |
| 07                 | CVF070R1 | 175       | 2,55    | 500        | 7,28    |
| 08                 | CVF080R1 | 150       | 2,50    | 500        | 8,32    |
| 09                 | CVF090R1 | 125       | 2,34    | 250        | 4,68    |
| 10                 | CVF100R1 | 100       | 2,08    | 250        | 5,20    |
| 11                 | CVF110R1 | 100       | 2,29    | 250        | 5,72    |
| 12                 | CVF120R1 | 75        | 1,87    | 250        | 6,24    |
| 13                 | CVF130R1 | 75        | 2,03    | 250        | 6,76    |
| 14                 | CVF140R1 | 75        | 2,18    | 250        | 7,28    |
| 15                 | CVF150R1 | 75        | 2,34    | 125        | 3,90    |
| 16                 | CVF160R1 | 75        | 2,50    | 125        | 4,16    |
| 17                 | CVF170R1 | 50        | 1,77    | 250        | 8,84    |
| 18                 | CVF180R1 | 50        | 1,87    | 125        | 4,68    |
| 19                 | CVF190R1 | 50        | 1,98    | 125        | 4,94    |
| 20                 | CVF200R1 | 50        | 2,08    | 125        | 5,20    |
| 21                 | CVF210R1 | 50        | 2,18    | 125        | 5,46    |
| 22                 | CVF220R1 | 50        | 2,29    | 125        | 5,72    |
| 23                 | CVF230R1 | 50        | 2,39    | 125        | 5,98    |
| 24                 | CVF240R1 | 50        | 2,50    | 125        | 6,24    |
| 25                 | CVF250R1 | 50        | 2,60    | 125        | 6,50    |



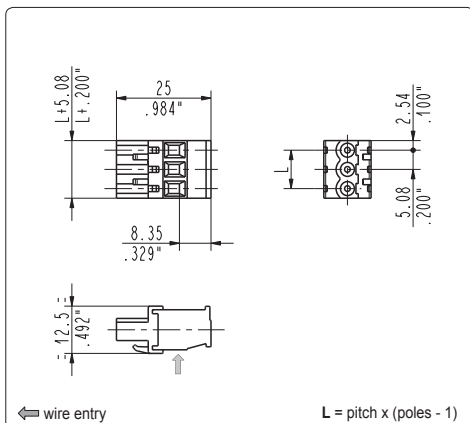
CVF\_0R3 right, side stackable, female

| 7.5 mm / .295" pitch |          |           |         |            |         |
|----------------------|----------|-----------|---------|------------|---------|
| Poles                | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                   | CVF020R3 | 400       | 1,86    | 1000       | 4,66    |
| 03                   | CVF030R3 | 250       | 1,75    | 1000       | 6,99    |
| 04                   | CVF040R3 | 200       | 1,86    | 500        | 4,66    |
| 05                   | CVF050R3 | 150       | 1,75    | 500        | 5,83    |
| 06                   | CVF060R3 | 125       | 1,75    | 250        | 3,50    |
| 07                   | CVF070R3 | 100       | 1,63    | 250        | 4,08    |
| 08                   | CVF080R3 | 75        | 1,40    | 250        | 4,66    |
| 09                   | CVF090R3 | 75        | 1,57    | 250        | 5,24    |
| 10                   | CVF100R3 | 75        | 1,75    | 250        | 5,83    |
| 11                   | CVF110R3 | 50        | 1,28    | 250        | 6,41    |
| 12                   | CVF120R3 | 50        | 1,40    | 250        | 6,99    |



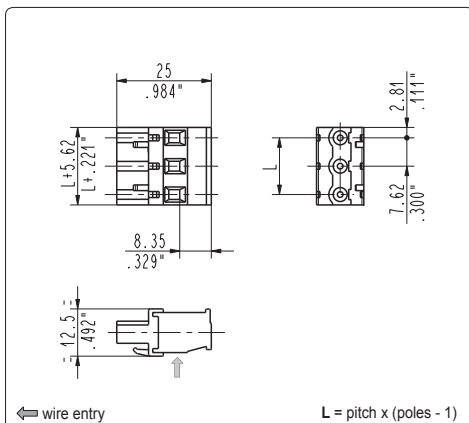
CVF\_0R2 right, side stackable, female

| 10 mm / .394" pitch |          |           |         |            |         |
|---------------------|----------|-----------|---------|------------|---------|
| Poles               | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                  | CVF020R2 | 400       | 2,12    | 1000       | 5,30    |
| 03                  | CVF030R2 | 250       | 1,99    | 1000       | 7,95    |
| 04                  | CVF040R2 | 175       | 1,86    | 500        | 5,30    |
| 05                  | CVF050R2 | 125       | 1,66    | 500        | 6,63    |
| 06                  | CVF060R2 | 100       | 1,59    | 250        | 3,98    |
| 07                  | CVF070R2 | 75        | 1,39    | 250        | 4,64    |
| 08                  | CVF080R2 | 75        | 1,59    | 250        | 5,30    |
| 09                  | CVF090R2 | 50        | 1,19    | 250        | 5,96    |
| 10                  | CVF100R2 | 50        | 1,33    | 250        | 6,63    |
| 11                  | CVF110R2 | 50        | 1,46    | 250        | 7,29    |
| 12                  | CVF120R2 | 50        | 1,59    | 250        | 7,95    |
| 13                  | CVF130R2 | 50        | 1,72    | 250        | 8,61    |



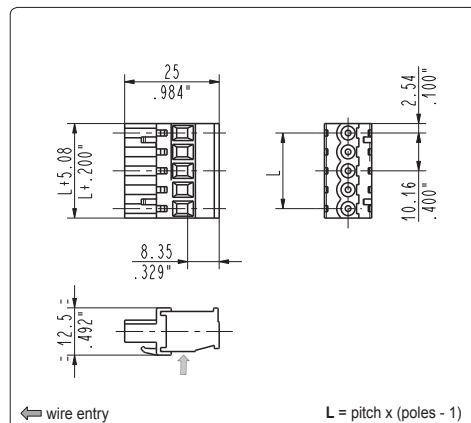
CVF\_0R5 right, side stackable, female

| 5.08 mm / .200" pitch |          |           |         |            |         |
|-----------------------|----------|-----------|---------|------------|---------|
| Poles                 | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                    | CVF020R5 | 500       | 2,08    | 1500       | 6,24    |
| 03                    | CVF030R5 | 400       | 2,50    | 1000       | 6,24    |
| 04                    | CVF040R5 | 300       | 2,50    | 1000       | 8,32    |
| 05                    | CVF050R5 | 250       | 2,60    | 750        | 7,80    |
| 06                    | CVF060R5 | 200       | 2,50    | 500        | 6,24    |
| 07                    | CVF070R5 | 175       | 2,55    | 500        | 7,28    |
| 08                    | CVF080R5 | 150       | 2,50    | 500        | 8,32    |
| 09                    | CVF090R5 | 125       | 2,34    | 250        | 4,68    |
| 10                    | CVF100R5 | 100       | 2,08    | 250        | 5,20    |
| 11                    | CVF110R5 | 100       | 2,29    | 250        | 5,72    |
| 12                    | CVF120R5 | 75        | 1,87    | 250        | 6,24    |
| 13                    | CVF130R5 | 75        | 2,03    | 250        | 6,76    |
| 14                    | CVF140R5 | 75        | 2,18    | 250        | 7,28    |
| 15                    | CVF150R5 | 75        | 2,34    | 125        | 3,90    |
| 16                    | CVF160R5 | 75        | 2,50    | 125        | 4,16    |
| 17                    | CVF170R5 | 50        | 1,77    | 250        | 8,84    |
| 18                    | CVF180R5 | 50        | 1,87    | 125        | 4,68    |
| 19                    | CVF190R5 | 50        | 1,98    | 125        | 4,94    |
| 20                    | CVF200R5 | 50        | 2,08    | 125        | 5,20    |
| 21                    | CVF210R5 | 50        | 2,18    | 125        | 5,46    |
| 22                    | CVF220R5 | 50        | 2,29    | 125        | 5,72    |
| 23                    | CVF230R5 | 50        | 2,39    | 125        | 5,98    |
| 24                    | CVF240R5 | 50        | 2,50    | 125        | 6,24    |
| 25                    | CVF250R5 | 50        | 2,60    | 125        | 6,50    |



CVF\_0R7 right, side stackable, female

| 7.62 mm / .300" pitch |          |           |         |            |         |
|-----------------------|----------|-----------|---------|------------|---------|
| Poles                 | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                    | CVF020R7 | 400       | 1,86    | 1000       | 4,66    |
| 03                    | CVF030R7 | 250       | 1,75    | 1000       | 6,99    |
| 04                    | CVF040R7 | 200       | 1,86    | 500        | 4,66    |
| 05                    | CVF050R7 | 150       | 1,75    | 500        | 5,83    |
| 06                    | CVF060R7 | 125       | 1,75    | 250        | 3,50    |
| 07                    | CVF070R7 | 100       | 1,63    | 250        | 4,08    |
| 08                    | CVF080R7 | 75        | 1,40    | 250        | 4,66    |
| 09                    | CVF090R7 | 75        | 1,57    | 250        | 5,24    |
| 10                    | CVF100R7 | 75        | 1,75    | 250        | 5,83    |
| 11                    | CVF110R7 | 50        | 1,28    | 250        | 6,41    |
| 12                    | CVF120R7 | 50        | 1,40    | 250        | 6,99    |

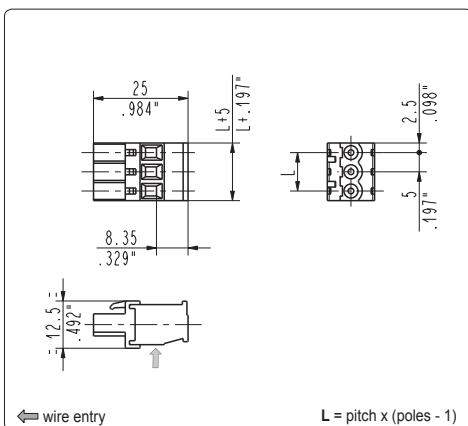


CVF\_0R6 right, side stackable, female

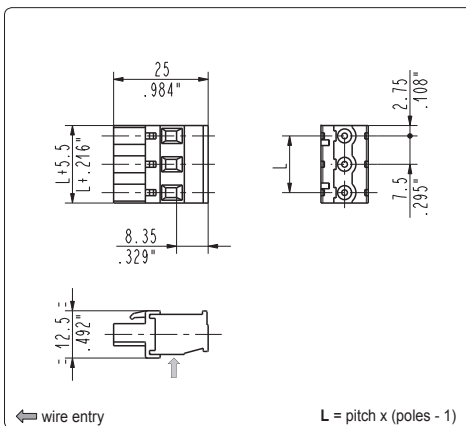
| 10.16 mm / .400" pitch |          |           |         |            |         |
|------------------------|----------|-----------|---------|------------|---------|
| Poles                  | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                     | CVF020R6 | 400       | 2,12    | 1000       | 5,30    |
| 03                     | CVF030R6 | 250       | 1,99    | 1000       | 7,95    |
| 04                     | CVF040R6 | 175       | 1,86    | 500        | 5,30    |
| 05                     | CVF050R6 | 125       | 1,66    | 500        | 6,63    |
| 06                     | CVF060R6 | 100       | 1,59    | 250        | 3,98    |
| 07                     | CVF070R6 | 75        | 1,39    | 250        | 4,64    |
| 08                     | CVF080R6 | 75        | 1,59    | 250        | 5,30    |
| 09                     | CVF090R6 | 50        | 1,19    | 250        | 5,96    |
| 10                     | CVF100R6 | 50        | 1,33    | 250        | 6,63    |
| 11                     | CVF110R6 | 50        | 1,46    | 250        | 7,29    |
| 12                     | CVF120R6 | 50        | 1,59    | 250        | 7,95    |
| 13                     | CVF130R6 | 50        | 1,72    | 250        | 8,61    |

\*W [kg]: approximate weight per box in kg

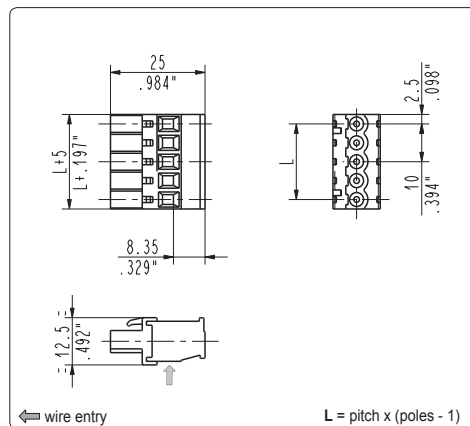
\*\*Industrial packaging: add "-00000E" at standard code

**CVF\_0L1** left, side stackable, female

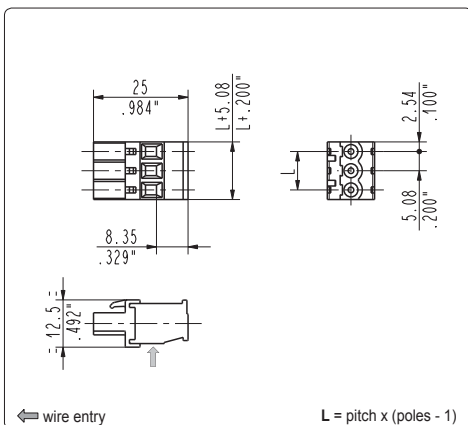
| 5 mm / .197" pitch |          |           |         |            |         |
|--------------------|----------|-----------|---------|------------|---------|
| Poles              | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                 | CVF020L1 | 500       | 2,08    | 1500       | 6,24    |
| 03                 | CVF030L1 | 400       | 2,50    | 1000       | 6,24    |
| 04                 | CVF040L1 | 300       | 2,50    | 1000       | 8,32    |
| 05                 | CVF050L1 | 250       | 2,60    | 750        | 7,80    |
| 06                 | CVF060L1 | 200       | 2,50    | 500        | 6,24    |
| 07                 | CVF070L1 | 175       | 2,55    | 500        | 7,28    |
| 08                 | CVF080L1 | 150       | 2,50    | 500        | 8,32    |
| 09                 | CVF090L1 | 125       | 2,34    | 250        | 4,68    |
| 10                 | CVF100L1 | 100       | 2,08    | 250        | 5,20    |
| 11                 | CVF110L1 | 100       | 2,29    | 250        | 5,72    |
| 12                 | CVF120L1 | 75        | 1,87    | 250        | 6,24    |
| 13                 | CVF130L1 | 75        | 2,03    | 250        | 6,76    |
| 14                 | CVF140L1 | 75        | 2,18    | 250        | 7,28    |
| 15                 | CVF150L1 | 75        | 2,34    | 125        | 3,90    |
| 16                 | CVF160L1 | 75        | 2,50    | 125        | 4,16    |
| 17                 | CVF170L1 | 50        | 1,77    | 250        | 8,84    |
| 18                 | CVF180L1 | 50        | 1,87    | 125        | 4,68    |
| 19                 | CVF190L1 | 50        | 1,98    | 125        | 4,94    |
| 20                 | CVF200L1 | 50        | 2,08    | 125        | 5,20    |
| 21                 | CVF210L1 | 50        | 2,18    | 125        | 5,46    |
| 22                 | CVF220L1 | 50        | 2,29    | 125        | 5,72    |
| 23                 | CVF230L1 | 50        | 2,39    | 125        | 5,98    |
| 24                 | CVF240L1 | 50        | 2,50    | 125        | 6,24    |
| 25                 | CVF250L1 | 50        | 2,60    | 125        | 6,50    |

**CVF\_0L3** left, side stackable, female

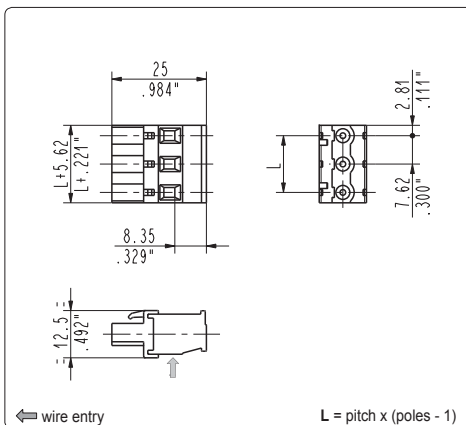
| 7.5 mm / .295" pitch |          |           |         |            |         |
|----------------------|----------|-----------|---------|------------|---------|
| Poles                | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                   | CVF020L3 | 400       | 1,86    | 1000       | 4,66    |
| 03                   | CVF030L3 | 250       | 1,75    | 1000       | 6,99    |
| 04                   | CVF040L3 | 200       | 1,86    | 500        | 4,66    |
| 05                   | CVF050L3 | 150       | 1,75    | 500        | 5,83    |
| 06                   | CVF060L3 | 125       | 1,75    | 250        | 3,50    |
| 07                   | CVF070L3 | 100       | 1,63    | 250        | 4,08    |
| 08                   | CVF080L3 | 75        | 1,40    | 250        | 4,66    |
| 09                   | CVF090L3 | 75        | 1,57    | 250        | 5,24    |
| 10                   | CVF100L3 | 75        | 1,75    | 250        | 5,83    |
| 11                   | CVF110L3 | 50        | 1,28    | 250        | 6,41    |
| 12                   | CVF120L3 | 50        | 1,40    | 250        | 6,99    |

**CVF\_0L2** left, side stackable, female

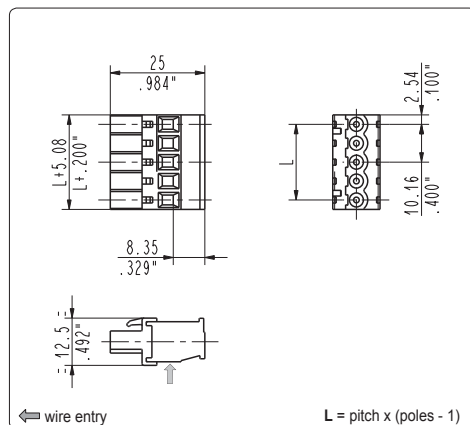
| 10 mm / .394" pitch |          |           |         |            |         |
|---------------------|----------|-----------|---------|------------|---------|
| Poles               | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                  | CVF020L2 | 400       | 2,12    | 1000       | 5,30    |
| 03                  | CVF030L2 | 250       | 1,99    | 1000       | 7,95    |
| 04                  | CVF040L2 | 175       | 1,86    | 500        | 5,30    |
| 05                  | CVF050L2 | 125       | 1,66    | 500        | 6,63    |
| 06                  | CVF060L2 | 100       | 1,59    | 250        | 3,98    |
| 07                  | CVF070L2 | 75        | 1,39    | 250        | 4,64    |
| 08                  | CVF080L2 | 75        | 1,59    | 250        | 5,30    |
| 09                  | CVF090L2 | 50        | 1,19    | 250        | 5,96    |
| 10                  | CVF100L2 | 50        | 1,33    | 250        | 6,63    |
| 11                  | CVF110L2 | 50        | 1,46    | 250        | 7,29    |
| 12                  | CVF120L2 | 50        | 1,59    | 250        | 7,95    |
| 13                  | CVF130L2 | 50        | 1,72    | 250        | 8,61    |

**CVF\_0L5** left, side stackable, female

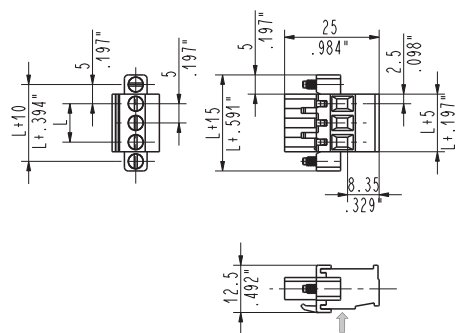
| 5.08 mm / .200" pitch |          |           |         |            |         |
|-----------------------|----------|-----------|---------|------------|---------|
| Poles                 | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                    | CVF020L5 | 500       | 2,08    | 1500       | 6,24    |
| 03                    | CVF030L5 | 400       | 2,50    | 1000       | 6,24    |
| 04                    | CVF040L5 | 300       | 2,50    | 1000       | 8,32    |
| 05                    | CVF050L5 | 250       | 2,60    | 750        | 7,80    |
| 06                    | CVF060L5 | 200       | 2,50    | 500        | 6,24    |
| 07                    | CVF070L5 | 175       | 2,55    | 500        | 7,28    |
| 08                    | CVF080L5 | 150       | 2,50    | 500        | 8,32    |
| 09                    | CVF090L5 | 125       | 2,34    | 250        | 4,68    |
| 10                    | CVF100L5 | 100       | 2,08    | 250        | 5,20    |
| 11                    | CVF110L5 | 100       | 2,29    | 250        | 5,72    |
| 12                    | CVF120L5 | 75        | 1,87    | 250        | 6,24    |
| 13                    | CVF130L5 | 75        | 2,03    | 250        | 6,76    |
| 14                    | CVF140L5 | 75        | 2,18    | 250        | 7,28    |
| 15                    | CVF150L5 | 75        | 2,34    | 125        | 3,90    |
| 16                    | CVF160L5 | 75        | 2,50    | 125        | 4,16    |
| 17                    | CVF170L5 | 50        | 1,77    | 250        | 8,84    |
| 18                    | CVF180L5 | 50        | 1,87    | 125        | 4,68    |
| 19                    | CVF190L5 | 50        | 1,98    | 125        | 4,94    |
| 20                    | CVF200L5 | 50        | 2,08    | 125        | 5,20    |
| 21                    | CVF210L5 | 50        | 2,18    | 125        | 5,46    |
| 22                    | CVF220L5 | 50        | 2,29    | 125        | 5,72    |
| 23                    | CVF230L5 | 50        | 2,39    | 125        | 5,98    |
| 24                    | CVF240L5 | 50        | 2,50    | 125        | 6,24    |
| 25                    | CVF250L5 | 50        | 2,60    | 125        | 6,50    |

**CVF\_0L7** left, side stackable, female

| 7.62 mm / .300" pitch |          |           |         |            |         |
|-----------------------|----------|-----------|---------|------------|---------|
| Poles                 | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                    | CVF020L7 | 400       | 1,86    | 1000       | 4,66    |
| 03                    | CVF030L7 | 250       | 1,75    | 1000       | 6,99    |
| 04                    | CVF040L7 | 200       | 1,86    | 500        | 4,66    |
| 05                    | CVF050L7 | 150       | 1,75    | 500        | 5,83    |
| 06                    | CVF060L7 | 125       | 1,75    | 250        | 3,50    |
| 07                    | CVF070L7 | 100       | 1,63    | 250        | 4,08    |
| 08                    | CVF080L7 | 75        | 1,40    | 250        | 4,66    |
| 09                    | CVF090L7 | 75        | 1,57    | 250        | 5,24    |
| 10                    | CVF100L7 | 75        | 1,75    | 250        | 5,83    |
| 11                    | CVF110L7 | 50        | 1,28    | 250        | 6,41    |
| 12                    | CVF120L7 | 50        | 1,40    | 250        | 6,99    |

**CVF\_0L6** left, side stackable, female

| 10.16 mm / .400" pitch |          |           |         |            |         |
|------------------------|----------|-----------|---------|------------|---------|
| Poles                  | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                     | CVF020L6 | 400       | 2,12    | 1000       | 5,30    |
| 03                     | CVF030L6 | 250       | 1,99    | 1000       | 7,95    |
| 04                     | CVF040L6 | 175       | 1,86    | 500        | 5,30    |
| 05                     | CVF050L6 | 125       | 1,66    | 500        | 6,63    |
| 06                     | CVF060L6 | 100       | 1,59    | 250        | 3,98    |
| 07                     | CVF070L6 | 75        | 1,39    | 250        | 4,64    |
| 08                     | CVF080L6 | 75        | 1,59    | 250        | 5,30    |
| 09                     | CVF090L6 | 50        | 1,19    | 250        | 5,96    |
| 10                     | CVF100L6 | 50        | 1,33    | 250        | 6,63    |
| 11                     | CVF110L6 | 50        | 1,46    | 250        | 7,29    |
| 12                     | CVF120L6 | 50        | 1,59    | 250        | 7,95    |
| 13                     | CVF130L6 | 50        | 1,72    | 250        | 8,61    |



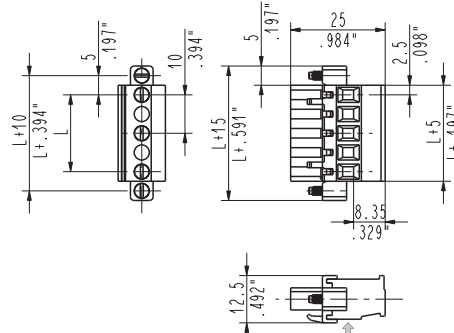
← wire entry

L = pitch x (poles - 1)

**CVF\_0D1** right, locking screw flanges, female

5 mm / .197" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020D1 | 300       | 1,49    | 1000       | 4,96    |
| 03    | CVF030D1 | 250       | 1,76    | 750        | 5,28    |
| 04    | CVF040D1 | 200       | 1,82    | 500        | 4,56    |
| 05    | CVF050D1 | 175       | 1,96    | 500        | 5,60    |
| 06    | CVF060D1 | 150       | 1,99    | 500        | 6,64    |
| 07    | CVF070D1 | 125       | 1,92    | 250        | 3,84    |
| 08    | CVF080D1 | 100       | 1,74    | 250        | 4,36    |



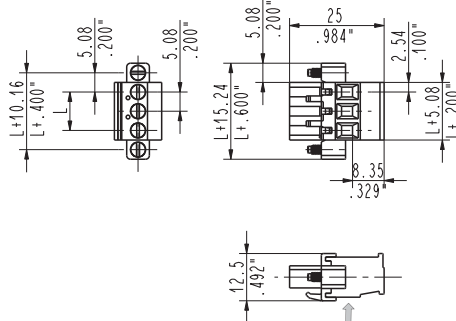
← wire entry

L = pitch x (poles - 1)

**CVF\_0D2** right, locking screw flanges, female

10 mm / .394" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020D2 | 250       | 1,40    | 750        | 4,19    |
| 03    | CVF030D2 | 175       | 1,39    | 500        | 3,99    |
| 04    | CVF040D2 | 125       | 1,30    | 250        | 2,59    |



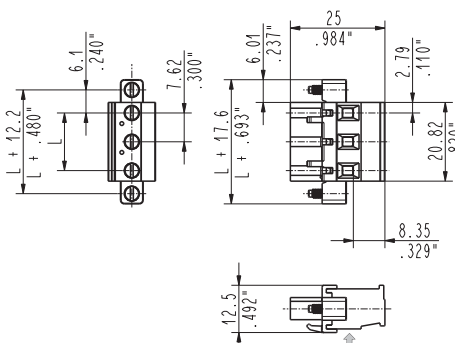
← wire entry

L = pitch x (poles - 1)

**CVF\_0D5** right, locking screw flanges, female

5.08 mm / .200" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020D5 | 300       | 1,49    | 1000       | 4,96    |
| 03    | CVF030D5 | 250       | 1,76    | 750        | 5,28    |
| 04    | CVF040D5 | 200       | 1,82    | 500        | 4,56    |
| 05    | CVF050D5 | 175       | 1,96    | 500        | 5,60    |
| 06    | CVF060D5 | 150       | 1,99    | 500        | 6,64    |
| 07    | CVF070D5 | 125       | 1,92    | 250        | 3,84    |
| 08    | CVF080D5 | 100       | 1,74    | 250        | 4,36    |
| 09    | CVF090D5 | 100       | 1,95    | 250        | 4,88    |
| 10    | CVF100D5 | 75        | 1,62    | 250        | 5,40    |
| 11    | CVF110D5 | 75        | 1,78    | 250        | 5,92    |
| 12    | CVF120D5 | 75        | 1,93    | 250        | 6,44    |
| 13    | CVF130D5 | 75        | 2,09    | 250        | 6,96    |
| 14    | CVF140D5 | 75        | 2,24    | 250        | 7,48    |
| 15    | CVF150D5 | 50        | 1,60    | 125        | 4,00    |
| 16    | CVF160D5 | 50        | 1,70    | 125        | 4,26    |
| 17    | CVF170D5 | 50        | 1,81    | 125        | 4,52    |
| 18    | CVF180D5 | 50        | 1,91    | 125        | 4,78    |
| 19    | CVF190D5 | 50        | 2,02    | 125        | 5,04    |
| 20    | CVF200D5 | 50        | 2,12    | 125        | 5,30    |
| 21    | CVF210D5 | 50        | 2,22    | 125        | 5,56    |
| 22    | CVF220D5 | 50        | 2,33    | 125        | 5,82    |
| 23    | CVF230D5 | 50        | 2,43    | 125        | 6,08    |



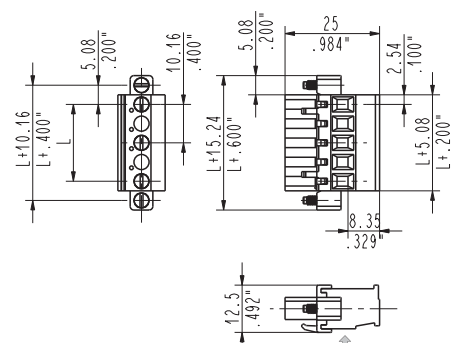
← wire entry

L = pitch x (poles - 1)

**CVF\_0D7** right, locking screw flanges, female

7.62 mm / .300" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020D7 | 250       | 1,45    | 750        | 4,35    |
| 03    | CVF030D7 | 175       | 1,52    | 500        | 4,35    |
| 04    | CVF040D7 | 125       | 1,45    | 250        | 2,90    |
| 05    | CVF050D7 | 100       | 1,45    | 250        | 3,63    |
| 06    | CVF060D7 | 75        | 1,31    | 250        | 4,35    |
| 07    | CVF070D7 | 75        | 1,52    | 250        | 5,08    |
| 08    | CVF080D7 | 50        | 1,16    | 125        | 2,90    |
| 09    | CVF090D7 | 50        | 1,31    | 125        | 3,26    |
| 10    | CVF100D7 | 50        | 1,45    | 125        | 3,63    |
| 11    | CVF110D7 | 50        | 1,60    | 125        | 3,99    |
| 12    | CVF120D7 | 50        | 1,74    | 125        | 4,35    |



← wire entry

L = pitch x (poles - 1)

**CVF\_0D6** right, locking screw flanges, female

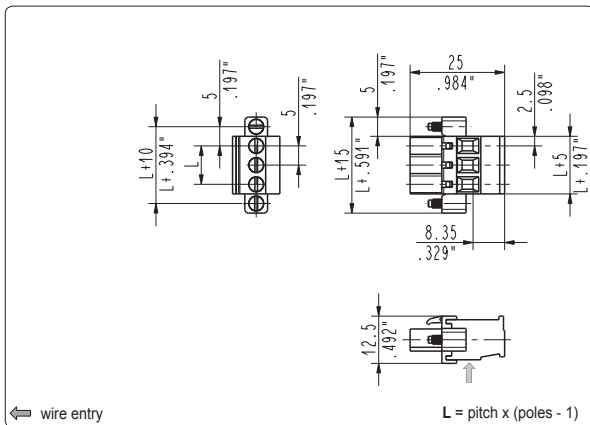
10.16 mm / .400" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020D6 | 250       | 1,40    | 750        | 4,19    |
| 03    | CVF030D6 | 175       | 1,39    | 500        | 3,99    |
| 04    | CVF040D6 | 125       | 1,30    | 250        | 2,59    |
| 05    | CVF050D6 | 100       | 1,28    | 250        | 3,19    |
| 06    | CVF060D6 | 75        | 1,14    | 250        | 3,79    |
| 07    | CVF070D6 | 75        | 1,31    | 250        | 4,38    |
| 08    | CVF080D6 | 50        | 1,00    | 125        | 2,49    |
| 09    | CVF090D6 | 50        | 1,12    | 125        | 2,79    |
| 10    | CVF100D6 | 50        | 1,24    | 125        | 3,09    |
| 11    | CVF110D6 | 50        | 1,35    | 125        | 3,39    |
| 12    | CVF120D6 | 50        | 1,47    | 125        | 3,69    |

\*W [kg]: approximate weight per box in kg

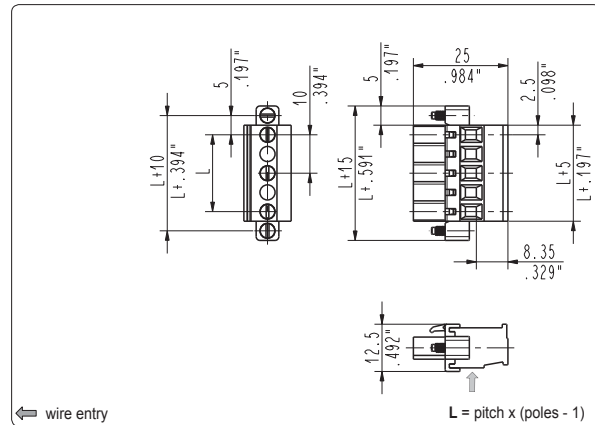
\*\*Industrial packaging: add "-00000E" at standard code



**CVF\_0S1** left, locking screw flanges, female

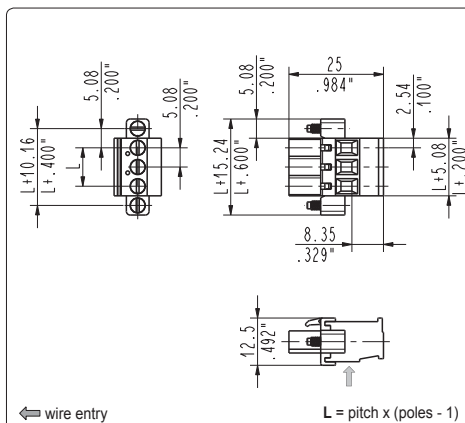
5 mm / .197" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020S1 | 300       | 1,49    | 1000       | 4,96    |
| 03    | CVF030S1 | 250       | 1,76    | 750        | 5,28    |
| 04    | CVF040S1 | 200       | 1,82    | 500        | 4,56    |
| 05    | CVF050S1 | 175       | 1,96    | 500        | 5,60    |
| 06    | CVF060S1 | 150       | 1,99    | 500        | 6,64    |
| 07    | CVF070S1 | 125       | 1,92    | 250        | 3,84    |
| 08    | CVF080S1 | 100       | 1,74    | 250        | 4,36    |

**CVF\_0S2** left, locking screw flanges, female

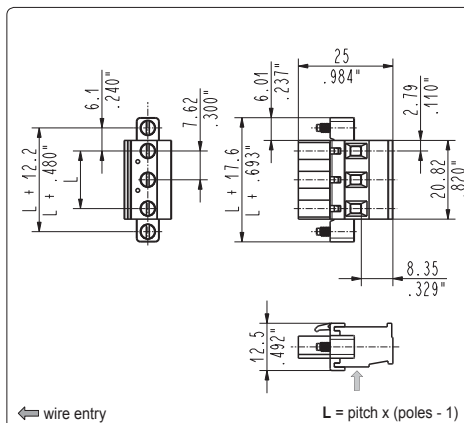
10 mm / .394" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020S2 | 250       | 1,40    | 750        | 4,19    |
| 03    | CVF030S2 | 175       | 1,39    | 500        | 3,99    |
| 04    | CVF040S2 | 125       | 1,30    | 250        | 2,59    |

**CVF\_0S5** left, locking screw flanges, female

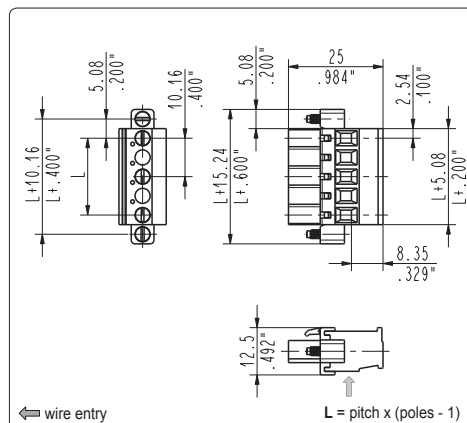
5.08 mm / .200" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020S5 | 300       | 1,49    | 1000       | 4,96    |
| 03    | CVF030S5 | 250       | 1,76    | 750        | 5,28    |
| 04    | CVF040S5 | 200       | 1,82    | 500        | 4,56    |
| 05    | CVF050S5 | 175       | 1,96    | 500        | 5,60    |
| 06    | CVF060S5 | 150       | 1,99    | 500        | 6,64    |
| 07    | CVF070S5 | 125       | 1,92    | 250        | 3,84    |
| 08    | CVF080S5 | 100       | 1,74    | 250        | 4,36    |
| 09    | CVF090S5 | 100       | 1,95    | 250        | 4,88    |
| 10    | CVF100S5 | 75        | 1,62    | 250        | 5,40    |
| 11    | CVF110S5 | 75        | 1,78    | 250        | 5,92    |
| 12    | CVF120S5 | 75        | 1,93    | 250        | 6,44    |
| 13    | CVF130S5 | 75        | 2,09    | 250        | 6,96    |
| 14    | CVF140S5 | 75        | 2,24    | 250        | 7,48    |
| 15    | CVF150S5 | 50        | 1,60    | 125        | 4,00    |
| 16    | CVF160S5 | 50        | 1,70    | 125        | 4,26    |
| 17    | CVF170S5 | 50        | 1,81    | 125        | 4,52    |
| 18    | CVF180S5 | 50        | 1,91    | 125        | 4,78    |
| 19    | CVF190S5 | 50        | 2,02    | 125        | 5,04    |
| 20    | CVF200S5 | 50        | 2,12    | 125        | 5,30    |
| 21    | CVF210S5 | 50        | 2,22    | 125        | 5,56    |
| 22    | CVF220S5 | 50        | 2,33    | 125        | 5,82    |
| 23    | CVF230S5 | 50        | 2,43    | 125        | 6,08    |

**CVF\_0S7** left, locking screw flanges, female

7.62 mm / .300" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020S7 | 250       | 1,45    | 750        | 4,35    |
| 03    | CVF030S7 | 175       | 1,52    | 500        | 4,35    |
| 04    | CVF040S7 | 125       | 1,45    | 250        | 2,90    |
| 05    | CVF050S7 | 100       | 1,45    | 250        | 3,63    |
| 06    | CVF060S7 | 75        | 1,31    | 250        | 4,35    |
| 07    | CVF070S7 | 75        | 1,52    | 250        | 5,08    |
| 08    | CVF080S7 | 50        | 1,16    | 125        | 2,90    |
| 09    | CVF090S7 | 50        | 1,31    | 125        | 3,26    |
| 10    | CVF100S7 | 50        | 1,45    | 125        | 3,63    |
| 11    | CVF110S7 | 50        | 1,60    | 125        | 3,99    |
| 12    | CVF120S7 | 50        | 1,74    | 125        | 4,35    |

**CVF\_0S6** left, locking screw flanges, female

10.16 mm / .400" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CVF020S6 | 250       | 1,40    | 750        | 4,19    |
| 03    | CVF030S6 | 175       | 1,39    | 500        | 3,99    |
| 04    | CVF040S6 | 125       | 1,30    | 250        | 2,59    |
| 05    | CVF050S6 | 100       | 1,28    | 250        | 3,19    |
| 06    | CVF060S6 | 75        | 1,14    | 250        | 3,79    |
| 07    | CVF070S6 | 75        | 1,31    | 250        | 4,38    |
| 08    | CVF080S6 | 50        | 1,00    | 125        | 2,49    |
| 09    | CVF090S6 | 50        | 1,12    | 125        | 2,79    |
| 10    | CVF100S6 | 50        | 1,24    | 125        | 3,09    |
| 11    | CVF110S6 | 50        | 1,35    | 125        | 3,39    |
| 12    | CVF120S6 | 50        | 1,47    | 125        | 3,69    |