



GREEN ELECTRONICS



CKF

Terminal Blocks



ISO  
9001



ISO  
14001



BS OHSAS  
18001:2007



**Sauro®**  
**ELECTRONIC CONNECTORS**  
*by the law*

## Functional characteristics

**Dimensional class:**

Low

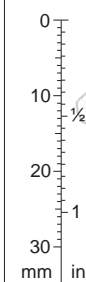
**Standard colour:**

green

**Dimensions:**
 10.35 x 19.2 mm  
 (.406 x .756 in)
**Max approved wire size:**
 solid: 1.5 mm<sup>2</sup> (IMQ); 14 AWG (UL)  
 stranded: 1.5 mm<sup>2</sup> (IMQ); 14 AWG (UL)
**Clamp opening size:**

2.6 x 1.7 mm (.102 x .067 in)

**Versions:**
 side stackable,  
 modular,  
 locking screw flanges
**Single mould poles:**
 from 2 to 3 (modular and side stackable)  
 from 2 to 3 (locking screw flanges)
**Pitches:**
 metric 3.5 mm, 7 mm  
 (.138 in, .276 in)  
 imperial 3.81 mm, 7.62 mm  
 (.150 in, .300 in)

 RoHS  
 2011/65/EU

 pitch 3.5 and 3.81 mm  
 from 2 to 16 poles  
 modular right

 pitch 3.5 and 3.81 mm  
 from 2 to 16 poles  
 modular left

 pitch 3.5 and 3.81 mm  
 from 2 to 16 poles  
 locking screw flanges

 pitch 3.5 and 3.81 mm  
 from 2 to 16 poles  
 side stackable right

 pitch 3.5 and 3.81 mm  
 from 2 to 16 poles  
 side stackable left

 CKF-SC1  
 coding splines

## Brief description

Although the **CKF** vertical female connector series is small in size it offers a **high number of connection possibilities**, in fact it can wire up to 1.5mm<sup>2</sup> (14 AWG) and therefore a certified current range of 13,5A can be reached.

It is available in 3.5 mm (.138 in), 3.81 mm (.100 in), 7.5 mm (.275 in) and 7.62 mm (.300 in) pitches, in monolithic blocks from 2 to 16 poles, in side-stackable, modular or with locking screw flanges.

The **CKF** Connector Series for PCBs features an asymmetric profile so mistakes are prevented when connections are made with the corresponding **CTM** male connector. Further safety when connecting can

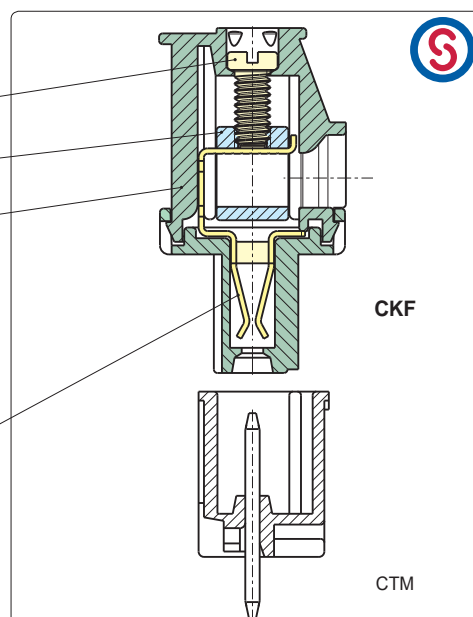
be obtained by using the CTM-LC1 and CTF-SCI Coding Splines and Coding Clips (see page 18 – 19)

The basic modular connectors can be stacked or assembled to obtain any number of poles without losing the pitch. By taking advantage of this feature a minimum quantity of basic connectors can be stored.

It is simple to manage products, warehouse and assembly with the **Kit packages** because several versions can be achieved with **only one code**, the part-numbers and the risk of making mistakes being significantly reduced.

## Components features

- M2 nickel plated copper alloy screw.
- Nickel-plated copper alloy rising clamp.
- Polyamide housing.  
Standard colour: GREEN.  
V0 self-extinguishing according to UL 94.  
Chlorinated solvents resistant,  
with no phosphor, dioxin or  
detrimental to health halogens.
- Lead-free tin-plated copper alloy spring.



## Mechanical features

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Insertion force per pole              | max 3 N (max .674 lbf)              |
| Withdrawal force per pole             | min 1,5 N (min .337 lbf)            |
| Recommended/Highest tightening torque | 0.2/0.25 Nm (1.77/2.21 lbf-in)      |
| Stripping length                      | 5 ÷ 6 mm (.20 ÷ .24 in)             |
| Operating temperature range           | -40 °C ÷ +110 °C (-40 °F ÷ +230 °F) |
| Climatic category                     | 40/110/21 According to EN 60068-1   |

## Electrical features\*

|  |   |
|--|---|
| Solid wire section   | 0.05 ÷ 1.5 mm <sup>2</sup> (IMQ)* 30÷14 AWG (UL)* |
| Stranded wire section  | 0.05 ÷ 1.5 mm <sup>2</sup> (IMQ)* 30÷14 AWG (UL)* |
| Rated voltage for 3.5 mm (.138 in) and 3.81 mm (.150 in) pitch | 300 V (UL)*                                       |
| Rated voltage for 7 mm (.275 in) and 7.62 mm (.300 in) pitch   | 1000 V (cat.II/2) (IMQ)*                          |
| Rated current  | 11 A (IMQ)*                                       |
| 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 certified ones.

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

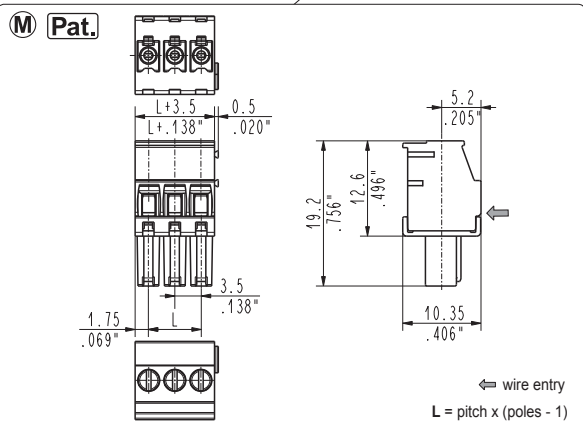
## Approvals

|        |          |  |
|--------|----------|--|
| IEC-EN | IEC:     | for 3.5 mm and 3.81 mm pitch: 150 V - 11 A - 1.5 mm <sup>2</sup> - T110 - 2.5kV - III/3 / 300 V - 11 A - 1.5 mm <sup>2</sup> - T110 - 2.5kV - II/2 |
|        | EN 61984 | for 7 mm and 7.62 mm pitch: 400 V - 11 A - 1.5 mm <sup>2</sup> - T110 - 6kV - III/3 / 1000 V - 11 A - 1.5 mm <sup>2</sup> - T110 - 6kV - II/2      |

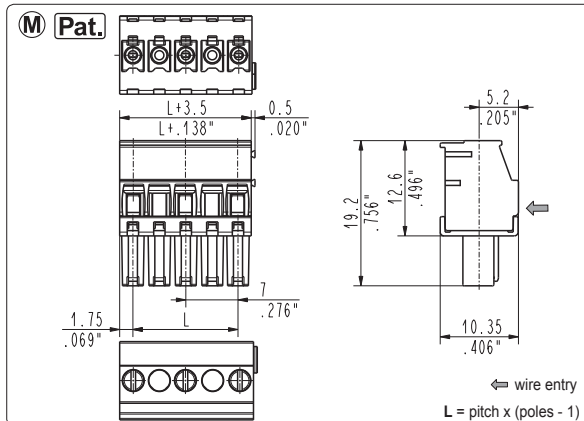
|    |              |   |
|----|--------------|---|
| UL | UL:          | 300 V - 10 A - 30÷14 AWG - 2.7 lbf-in for 3.5 mm, 3.81 mm, 7 mm and 7.62 mm pitch                   |
|    | File E167473 | Application values for end-use equipment have to be in accordance to UL norms and applicable to it. |

|     |                    |  |
|-----|--------------------|--|
| IMQ | IMQ:               | for 3.5 mm and 3.81 mm pitch: 150 V - 11 A - 1.5 mm <sup>2</sup> - T110 - 2.5kV - III/3 / 300 V - 11 A - 1.5 mm <sup>2</sup> - T110 - 2.5kV - II/2 |
|     | File n. CA02.00901 | for 7 mm and 7.62 mm pitch: 400 V - 11 A - 1.5 mm <sup>2</sup> - T110 - 6kV - III/3 / 1000 V - 11 A - 1.5 mm <sup>2</sup> - T110 - 6kV - II/2      |

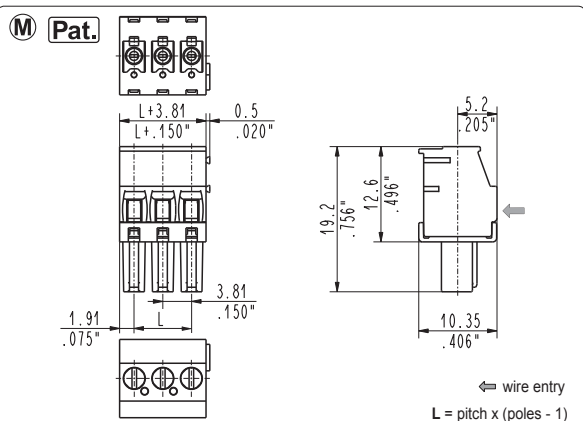


**CKF\_0M8****right modular female****3.5 mm / .138" pitch**

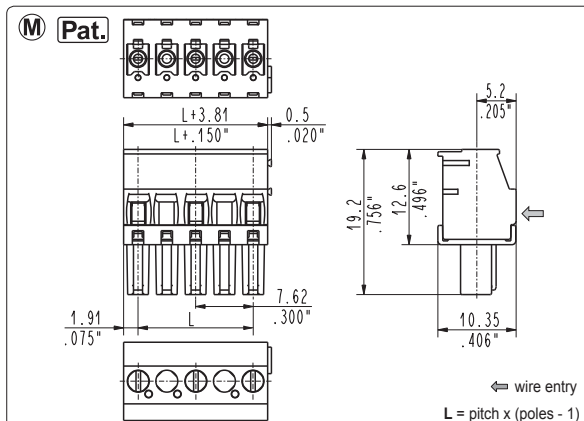
| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020M8 | 500       | 1,60    | 2000       | 6,40    |
| 03    | CKF030M8 | 400       | 1,92    | 1750       | 8,40    |
| 04    | CKF040M8 | 300       | 1,92    | 1500       | 9,60    |
| 05    | CKF050M8 | 250       | 2,00    | 1500       | 12,00   |
| 06    | CKF060M8 | 200       | 1,92    | 1250       | 12,00   |
| 07    | CKF070M8 | 175       | 1,96    | 1250       | 14,00   |
| 08    | CKF080M8 | 125       | 1,60    | 1000       | 12,80   |
| 09    | CKF090M8 | 125       | 1,80    | 750        | 10,80   |
| 10    | CKF100M8 | 100       | 1,60    | 750        | 12,00   |
| 11    | CKF110M8 | 100       | 1,76    | 750        | 13,20   |
| 12    | CKF120M8 | 75        | 1,44    | 750        | 14,40   |
| 13    | CKF130M8 | 75        | 1,56    | 750        | 15,60   |
| 14    | CKF140M8 | 100       | 2,24    | 750        | 16,80   |
| 15    | CKF150M8 | 100       | 2,40    | 750        | 18,00   |
| 16    | CKF160M8 | 100       | 2,56    | 750        | 19,20   |
| 17    | CKF170M8 | 50        | 1,36    | 500        | 13,60   |
| 18    | CKF180M8 | 50        | 1,44    | 500        | 14,40   |
| 19    | CKF190M8 | 50        | 1,52    | 500        | 15,20   |
| 20    | CKF200M8 | 50        | 1,60    | 500        | 16,00   |
| 21    | CKF210M8 | 50        | 1,68    | 500        | 16,80   |
| 22    | CKF220M8 | 50        | 1,76    | 500        | 17,60   |
| 23    | CKF230M8 | 50        | 1,84    | 500        | 18,40   |
| 24    | CKF240M8 | 50        | 1,92    | 500        | 19,20   |
| 25    | CKF250M8 | 50        | 2,00    | 500        | 20,00   |

**CKF\_0M9****right modular female****7 mm / .276" pitch**

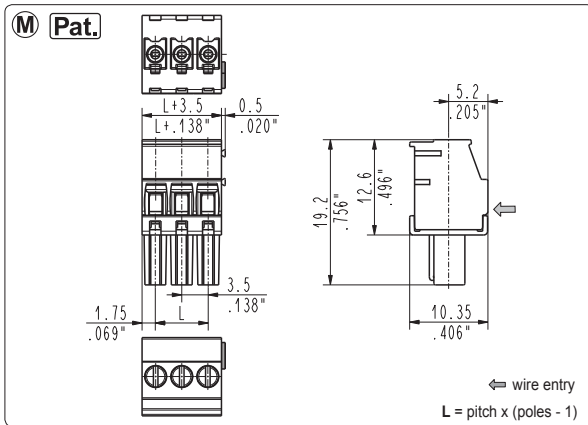
| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 01    | CKF010M9 | 500       | 0,95    | 2000       | 3,80    |
| 02    | CKF020M9 | 400       | 1,52    | 1750       | 6,65    |
| 03    | CKF030M9 | 250       | 1,43    | 1500       | 8,55    |
| 04    | CKF040M9 | 175       | 1,33    | 1250       | 9,50    |
| 05    | CKF050M9 | 125       | 1,19    | 1000       | 9,50    |
| 06    | CKF060M9 | 100       | 1,14    | 750        | 8,55    |
| 07    | CKF070M9 | 100       | 1,33    | 750        | 9,98    |
| 08    | CKF080M9 | 100       | 1,52    | 750        | 11,40   |
| 09    | CKF090M9 | 50        | 0,86    | 500        | 8,55    |
| 10    | CKF100M9 | 50        | 0,95    | 500        | 9,50    |
| 11    | CKF110M9 | 50        | 1,05    | 500        | 10,45   |
| 12    | CKF120M9 | 50        | 1,14    | 500        | 11,40   |
| 13    | CKF130M9 | 50        | 1,24    | 500        | 12,35   |

**CKF\_0MT****right modular female****3.81 mm / .150" pitch**

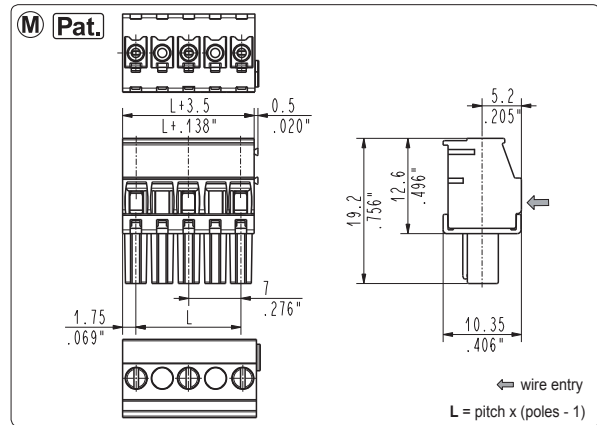
| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020MT | 500       | 1,60    | 2000       | 6,40    |
| 03    | CKF030MT | 400       | 1,92    | 1750       | 8,40    |
| 04    | CKF040MT | 300       | 1,92    | 1500       | 9,60    |
| 05    | CKF050MT | 250       | 2,00    | 1500       | 12,00   |
| 06    | CKF060MT | 200       | 1,92    | 1250       | 12,00   |
| 07    | CKF070MT | 175       | 1,96    | 1250       | 14,00   |
| 08    | CKF080MT | 125       | 1,60    | 1000       | 12,80   |
| 09    | CKF090MT | 125       | 1,80    | 750        | 10,80   |
| 10    | CKF100MT | 100       | 1,60    | 750        | 12,00   |
| 11    | CKF110MT | 100       | 1,76    | 750        | 13,20   |
| 12    | CKF120MT | 75        | 1,44    | 750        | 14,40   |
| 13    | CKF130MT | 75        | 1,56    | 750        | 15,60   |
| 14    | CKF140MT | 100       | 2,24    | 750        | 16,80   |
| 15    | CKF150MT | 100       | 2,40    | 750        | 18,00   |
| 16    | CKF160MT | 100       | 2,56    | 750        | 19,20   |

**CKF\_0M7****right modular female****7.62 mm / .300" pitch**

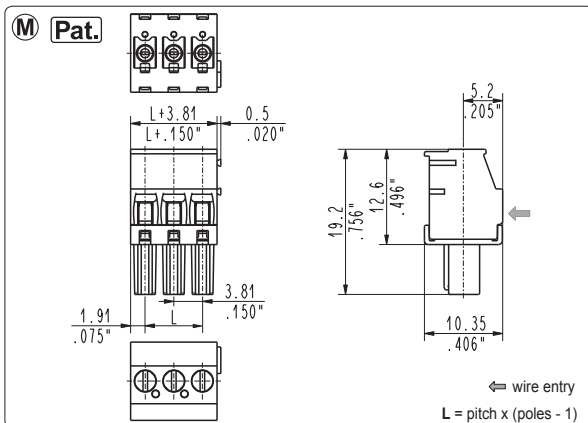
| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 01    | CKF010M7 | 500       | 0,95    | 2000       | 3,80    |
| 02    | CKF020M7 | 400       | 1,52    | 1750       | 6,65    |
| 03    | CKF030M7 | 250       | 1,43    | 1500       | 8,55    |
| 04    | CKF040M7 | 175       | 1,33    | 1250       | 9,50    |
| 05    | CKF050M7 | 125       | 1,19    | 1000       | 9,50    |
| 06    | CKF060M7 | 100       | 1,14    | 750        | 8,55    |
| 07    | CKF070M7 | 100       | 1,33    | 750        | 9,98    |
| 08    | CKF080M7 | 100       | 1,52    | 750        | 11,40   |

**CKF\_0W8 left modular female**

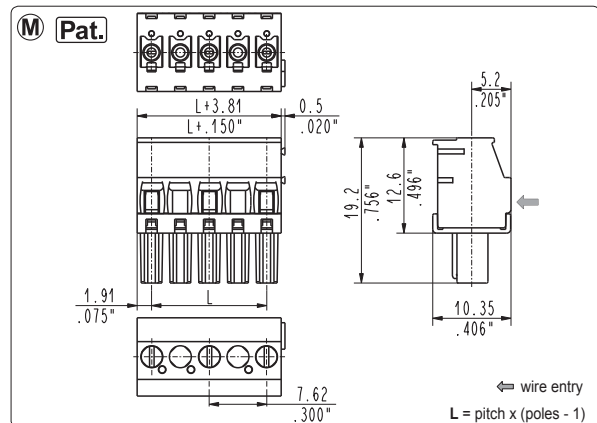
| 3.5 mm / .138" pitch |          |           |         |            |         |
|----------------------|----------|-----------|---------|------------|---------|
| Poles                | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                   | CKF020W8 | 500       | 1,60    | 2000       | 6,40    |
| 03                   | CKF030W8 | 400       | 1,92    | 1750       | 8,40    |
| 04                   | CKF040W8 | 300       | 1,92    | 1500       | 9,60    |
| 05                   | CKF050W8 | 250       | 2,00    | 1500       | 12,00   |
| 06                   | CKF060W8 | 200       | 1,92    | 1250       | 12,00   |
| 07                   | CKF070W8 | 175       | 1,96    | 1250       | 14,00   |
| 08                   | CKF080W8 | 125       | 1,60    | 1000       | 12,80   |
| 09                   | CKF090W8 | 125       | 1,80    | 750        | 10,80   |
| 10                   | CKF100W8 | 100       | 1,60    | 750        | 12,00   |
| 11                   | CKF110W8 | 100       | 1,76    | 750        | 13,20   |
| 12                   | CKF120W8 | 75        | 1,44    | 750        | 14,40   |
| 13                   | CKF130W8 | 75        | 1,56    | 750        | 15,60   |
| 14                   | CKF140W8 | 100       | 2,24    | 750        | 16,80   |
| 15                   | CKF150W8 | 100       | 2,40    | 750        | 18,00   |
| 16                   | CKF160W8 | 100       | 2,56    | 750        | 19,20   |
| 17                   | CKF170W8 | 50        | 1,36    | 500        | 13,60   |
| 18                   | CKF180W8 | 50        | 1,44    | 500        | 14,40   |
| 19                   | CKF190W8 | 50        | 1,52    | 500        | 15,20   |
| 20                   | CKF200W8 | 50        | 1,60    | 500        | 16,00   |
| 21                   | CKF210W8 | 50        | 1,68    | 500        | 16,80   |
| 22                   | CKF220W8 | 50        | 1,76    | 500        | 17,60   |
| 23                   | CKF230W8 | 50        | 1,84    | 500        | 18,40   |
| 24                   | CKF240W8 | 50        | 1,92    | 500        | 19,20   |
| 25                   | CKF250W8 | 50        | 2,00    | 500        | 20,00   |

**CKF\_0W9 left modular female**

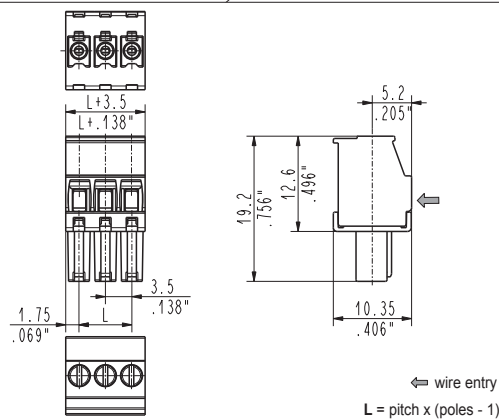
| 7 mm / .276" pitch |          |           |         |            |         |
|--------------------|----------|-----------|---------|------------|---------|
| Poles              | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 01                 | CKF010W9 | 500       | 0,95    | 2000       | 3,80    |
| 02                 | CKF020W9 | 400       | 1,52    | 1750       | 6,65    |
| 03                 | CKF030W9 | 250       | 1,43    | 1500       | 8,55    |
| 04                 | CKF040W9 | 175       | 1,33    | 1250       | 9,50    |
| 05                 | CKF050W9 | 125       | 1,19    | 1000       | 9,50    |
| 06                 | CKF060W9 | 100       | 1,14    | 750        | 8,55    |
| 07                 | CKF070W9 | 100       | 1,33    | 750        | 9,98    |
| 08                 | CKF080W9 | 100       | 1,52    | 750        | 11,40   |
| 09                 | CKF090W9 | 50        | 0,86    | 500        | 8,55    |
| 10                 | CKF100W9 | 50        | 0,95    | 500        | 9,50    |
| 11                 | CKF110W9 | 50        | 1,05    | 500        | 10,45   |
| 12                 | CKF120W9 | 50        | 1,14    | 500        | 11,40   |
| 13                 | CKF130W9 | 50        | 1,24    | 500        | 12,35   |

**CKF\_0WT left modular female**

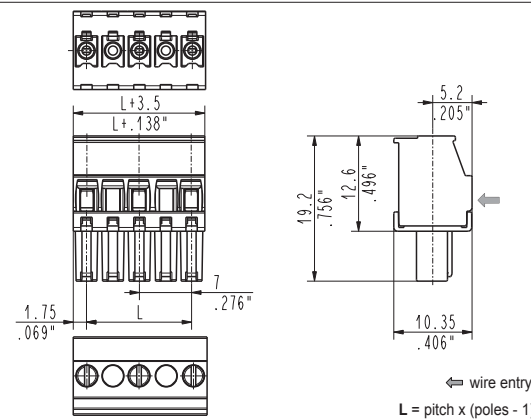
| 3.81 mm / .150" pitch |          |           |         |            |         |
|-----------------------|----------|-----------|---------|------------|---------|
| Poles                 | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 02                    | CKF020WT | 500       | 1,60    | 2000       | 6,40    |
| 03                    | CKF030WT | 400       | 1,92    | 1750       | 8,40    |
| 04                    | CKF040WT | 300       | 1,92    | 1500       | 9,60    |
| 05                    | CKF050WT | 250       | 2,00    | 1500       | 12,00   |
| 06                    | CKF060WT | 200       | 1,92    | 1250       | 12,00   |
| 07                    | CKF070WT | 175       | 1,96    | 1250       | 14,00   |
| 08                    | CKF080WT | 125       | 1,60    | 1000       | 12,80   |
| 09                    | CKF090WT | 125       | 1,80    | 750        | 10,80   |
| 10                    | CKF100WT | 100       | 1,60    | 750        | 12,00   |
| 11                    | CKF110WT | 100       | 1,76    | 750        | 13,20   |
| 12                    | CKF120WT | 75        | 1,44    | 750        | 14,40   |
| 13                    | CKF130WT | 75        | 1,56    | 750        | 15,60   |
| 14                    | CKF140WT | 100       | 2,24    | 750        | 16,80   |
| 15                    | CKF150WT | 100       | 2,40    | 750        | 18,00   |
| 16                    | CKF160WT | 100       | 2,56    | 750        | 19,20   |

**CKF\_0W7 left modular female**

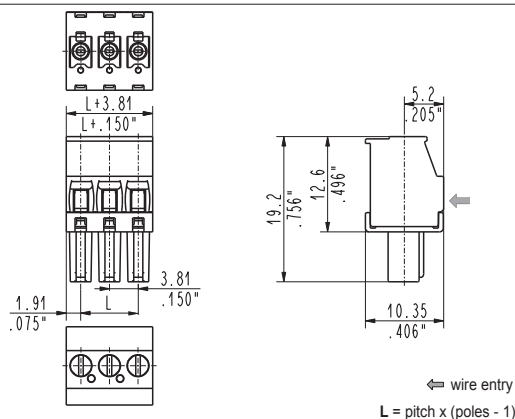
| 7.62 mm / .300" pitch |          |           |         |            |         |
|-----------------------|----------|-----------|---------|------------|---------|
| Poles                 | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
| 01                    | CKF010W7 | 500       | 0,95    | 2000       | 3,80    |
| 02                    | CKF020W7 | 400       | 1,52    | 1750       | 6,65    |
| 03                    | CKF030W7 | 250       | 1,43    | 1500       | 8,55    |
| 04                    | CKF040W7 | 175       | 1,33    | 1250       | 9,50    |
| 05                    | CKF050W7 | 125       | 1,19    | 1000       | 9,50    |
| 06                    | CKF060W7 | 100       | 1,14    | 750        | 8,55    |
| 07                    | CKF070W7 | 100       | 1,33    | 750        | 9,98    |
| 08                    | CKF080W7 | 100       | 1,52    | 750        | 11,40   |

**CKF\_0R8 right side stackable female****3.5 mm / .138" pitch**

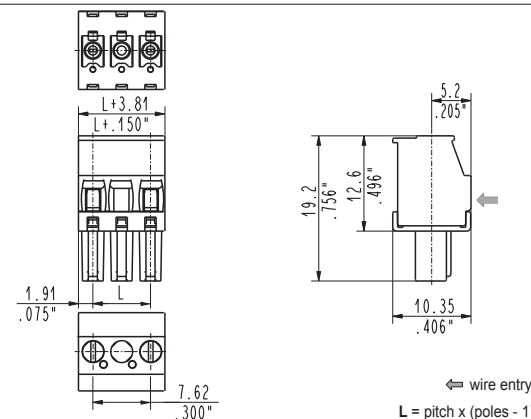
| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020R8 | 500       | 1,60    | 2000       | 6,40    |
| 03    | CKF030R8 | 400       | 1,92    | 1750       | 8,40    |
| 04    | CKF040R8 | 300       | 1,92    | 1500       | 9,60    |
| 05    | CKF050R8 | 250       | 2,00    | 1500       | 12,00   |
| 06    | CKF060R8 | 200       | 1,92    | 1250       | 12,00   |
| 07    | CKF070R8 | 175       | 1,96    | 1250       | 14,00   |
| 08    | CKF080R8 | 125       | 1,60    | 1000       | 12,80   |
| 09    | CKF090R8 | 125       | 1,80    | 750        | 10,80   |
| 10    | CKF100R8 | 100       | 1,60    | 750        | 12,00   |
| 11    | CKF110R8 | 100       | 1,76    | 750        | 13,20   |
| 12    | CKF120R8 | 75        | 1,44    | 750        | 14,40   |
| 13    | CKF130R8 | 75        | 1,56    | 750        | 15,60   |
| 14    | CKF140R8 | 100       | 2,24    | 750        | 16,80   |
| 15    | CKF150R8 | 100       | 2,40    | 750        | 18,00   |
| 16    | CKF160R8 | 100       | 2,56    | 750        | 19,20   |
| 17    | CKF170R8 | 50        | 1,36    | 500        | 13,60   |
| 18    | CKF180R8 | 50        | 1,44    | 500        | 14,40   |
| 19    | CKF190R8 | 50        | 1,52    | 500        | 15,20   |
| 20    | CKF200R8 | 50        | 1,60    | 500        | 16,00   |
| 21    | CKF210R8 | 50        | 1,68    | 500        | 16,80   |
| 22    | CKF220R8 | 50        | 1,76    | 500        | 17,60   |
| 23    | CKF230R8 | 50        | 1,84    | 500        | 18,40   |
| 24    | CKF240R8 | 50        | 1,92    | 500        | 19,20   |
| 25    | CKF250R8 | 50        | 2,00    | 500        | 20,00   |

**CKF\_0R9 right side stackable female****7 mm / .276" pitch**

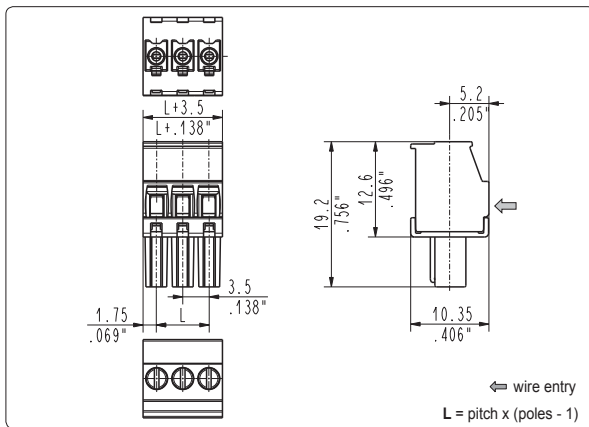
| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020R9 | 400       | 1,52    | 1750       | 6,65    |
| 03    | CKF030R9 | 250       | 1,43    | 1500       | 8,55    |
| 04    | CKF040R9 | 175       | 1,33    | 1250       | 9,50    |
| 05    | CKF050R9 | 125       | 1,19    | 1000       | 9,50    |
| 06    | CKF060R9 | 100       | 1,14    | 750        | 8,55    |
| 07    | CKF070R9 | 100       | 1,33    | 750        | 9,98    |
| 08    | CKF080R9 | 100       | 1,52    | 750        | 11,40   |
| 09    | CKF090R9 | 50        | 0,86    | 500        | 8,55    |
| 10    | CKF100R9 | 50        | 0,95    | 500        | 9,50    |
| 11    | CKF110R9 | 50        | 1,05    | 500        | 10,45   |
| 12    | CKF120R9 | 50        | 1,14    | 500        | 11,40   |
| 13    | CKF130R9 | 50        | 1,24    | 500        | 12,35   |

**CKF\_0RT right side stackable female****3.81 mm / .150" pitch**

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020RT | 500       | 1,60    | 2000       | 6,40    |
| 03    | CKF030RT | 400       | 1,92    | 1750       | 8,40    |
| 04    | CKF040RT | 300       | 1,92    | 1500       | 9,60    |
| 05    | CKF050RT | 250       | 2,00    | 1500       | 12,00   |
| 06    | CKF060RT | 200       | 1,92    | 1250       | 12,00   |
| 07    | CKF070RT | 175       | 1,96    | 1250       | 14,00   |
| 08    | CKF080RT | 125       | 1,60    | 1000       | 12,80   |
| 09    | CKF090RT | 125       | 1,80    | 750        | 10,80   |
| 10    | CKF100RT | 100       | 1,60    | 750        | 12,00   |
| 11    | CKF110RT | 100       | 1,76    | 750        | 13,20   |
| 12    | CKF120RT | 75        | 1,44    | 750        | 14,40   |
| 13    | CKF130RT | 75        | 1,56    | 750        | 15,60   |
| 14    | CKF140RT | 100       | 2,24    | 750        | 16,80   |
| 15    | CKF150RT | 100       | 2,40    | 750        | 18,00   |
| 16    | CKF160RT | 100       | 2,56    | 750        | 19,20   |

**CKF\_0R7 right side stackable female****7.62 mm / .300" pitch**

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020R7 | 400       | 1,52    | 1750       | 6,65    |
| 03    | CKF030R7 | 250       | 1,43    | 1500       | 8,55    |
| 04    | CKF040R7 | 175       | 1,33    | 1250       | 9,50    |
| 05    | CKF050R7 | 125       | 1,19    | 1000       | 9,50    |
| 06    | CKF060R7 | 100       | 1,14    | 750        | 8,55    |
| 07    | CKF070R7 | 100       | 1,33    | 750        | 9,98    |
| 08    | CKF080R7 | 100       | 1,52    | 750        | 11,40   |

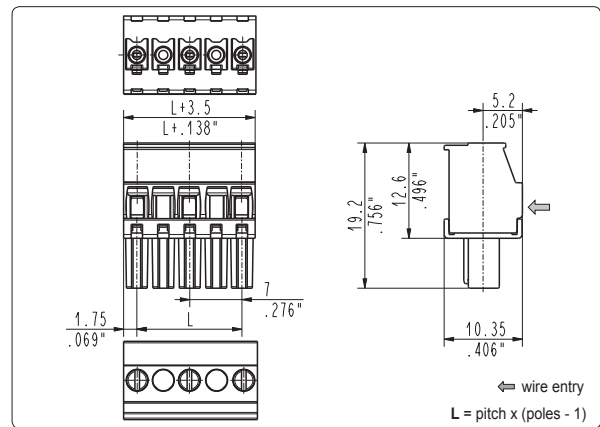


CKF\_0L8

left side stackable female

3.5 mm / .138" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020L8 | 500       | 1,60    | 2000       | 6,40    |
| 03    | CKF030L8 | 400       | 1,92    | 1750       | 8,40    |
| 04    | CKF040L8 | 300       | 1,92    | 1500       | 9,60    |
| 05    | CKF050L8 | 250       | 2,00    | 1500       | 12,00   |
| 06    | CKF060L8 | 200       | 1,92    | 1250       | 12,00   |
| 07    | CKF070L8 | 175       | 1,96    | 1250       | 14,00   |
| 08    | CKF080L8 | 125       | 1,60    | 1000       | 12,80   |
| 09    | CKF090L8 | 125       | 1,80    | 750        | 10,80   |
| 10    | CKF100L8 | 100       | 1,60    | 750        | 12,00   |
| 11    | CKF110L8 | 100       | 1,76    | 750        | 13,20   |
| 12    | CKF120L8 | 75        | 1,44    | 750        | 14,40   |
| 13    | CKF130L8 | 75        | 1,56    | 750        | 15,60   |
| 14    | CKF140L8 | 100       | 2,24    | 750        | 16,80   |
| 15    | CKF150L8 | 100       | 2,40    | 750        | 18,00   |
| 16    | CKF160L8 | 100       | 2,56    | 750        | 19,20   |
| 17    | CKF170L8 | 50        | 1,36    | 500        | 13,60   |
| 18    | CKF180L8 | 50        | 1,44    | 500        | 14,40   |
| 19    | CKF190L8 | 50        | 1,52    | 500        | 15,20   |
| 20    | CKF200L8 | 50        | 1,60    | 500        | 16,00   |
| 21    | CKF210L8 | 50        | 1,68    | 500        | 16,80   |
| 22    | CKF220L8 | 50        | 1,76    | 500        | 17,60   |
| 23    | CKF230L8 | 50        | 1,84    | 500        | 18,40   |
| 24    | CKF240L8 | 50        | 1,92    | 500        | 19,20   |
| 25    | CKF250L8 | 50        | 2,00    | 500        | 20,00   |

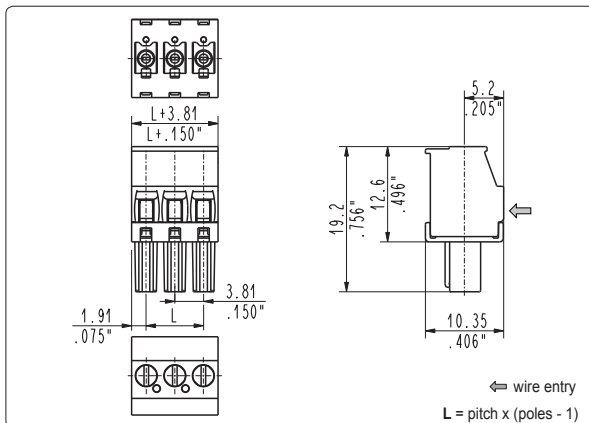


CKF\_0L9

left side stackable female

7 mm / .276" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020L9 | 400       | 1,52    | 1750       | 6,65    |
| 03    | CKF030L9 | 250       | 1,43    | 1500       | 8,55    |
| 04    | CKF040L9 | 175       | 1,33    | 1250       | 9,50    |
| 05    | CKF050L9 | 125       | 1,19    | 1000       | 9,50    |
| 06    | CKF060L9 | 100       | 1,14    | 750        | 8,55    |
| 07    | CKF070L9 | 100       | 1,33    | 750        | 9,98    |
| 08    | CKF080L9 | 100       | 1,52    | 750        | 11,40   |
| 09    | CKF090L9 | 50        | 0,86    | 500        | 8,55    |
| 10    | CKF100L9 | 50        | 0,95    | 500        | 9,50    |
| 11    | CKF110L9 | 50        | 1,05    | 500        | 10,45   |
| 12    | CKF120L9 | 50        | 1,14    | 500        | 11,40   |
| 13    | CKF130L9 | 50        | 1,24    | 500        | 12,35   |

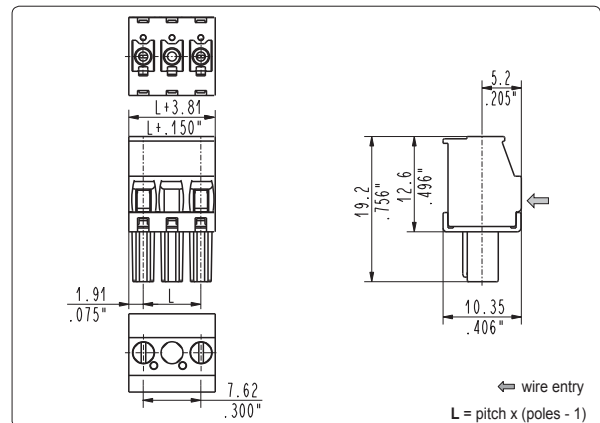


CKF\_0LT

left side stackable female

3.81 mm / .150" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020LT | 500       | 1,60    | 2000       | 6,40    |
| 03    | CKF030LT | 400       | 1,92    | 1750       | 8,40    |
| 04    | CKF040LT | 300       | 1,92    | 1500       | 9,60    |
| 05    | CKF050LT | 250       | 2,00    | 1500       | 12,00   |
| 06    | CKF060LT | 200       | 1,92    | 1250       | 12,00   |
| 07    | CKF070LT | 175       | 1,96    | 1250       | 14,00   |
| 08    | CKF080LT | 125       | 1,60    | 1000       | 12,80   |
| 09    | CKF090LT | 125       | 1,80    | 750        | 10,80   |
| 10    | CKF100LT | 100       | 1,60    | 750        | 12,00   |
| 11    | CKF110LT | 100       | 1,76    | 750        | 13,20   |
| 12    | CKF120LT | 75        | 1,44    | 750        | 14,40   |
| 13    | CKF130LT | 75        | 1,56    | 750        | 15,60   |
| 14    | CKF140LT | 100       | 2,24    | 750        | 16,80   |
| 15    | CKF150LT | 100       | 2,40    | 750        | 18,00   |
| 16    | CKF160LT | 100       | 2,56    | 750        | 19,20   |

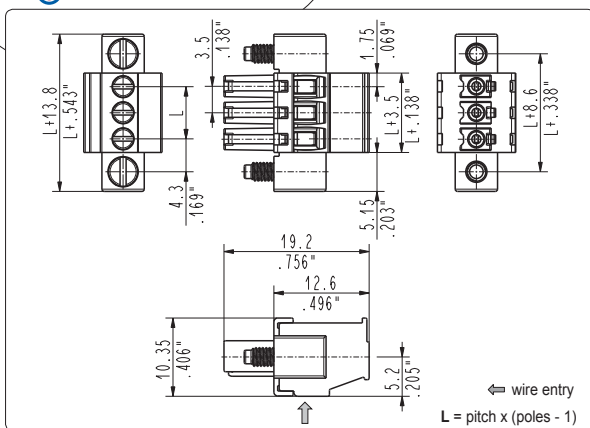


CKF\_0L7

left side stackable female

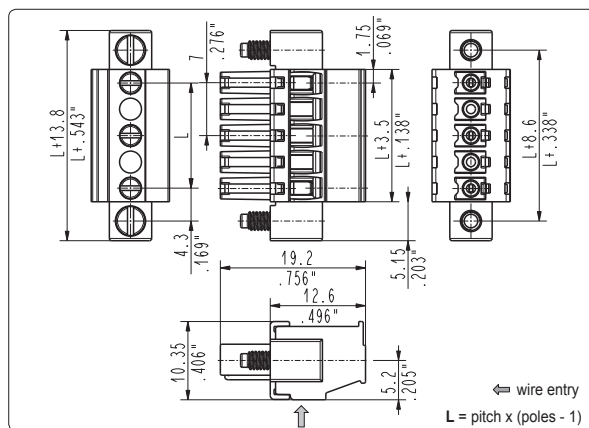
7.62 mm / .300" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020L7 | 400       | 1,52    | 1750       | 6,65    |
| 03    | CKF030L7 | 250       | 1,43    | 1500       | 8,55    |
| 04    | CKF040L7 | 175       | 1,33    | 1250       | 9,50    |
| 05    | CKF050L7 | 125       | 1,19    | 1000       | 9,50    |
| 06    | CKF060L7 | 100       | 1,14    | 750        | 8,55    |
| 07    | CKF070L7 | 100       | 1,33    | 750        | 9,98    |
| 08    | CKF080L7 | 100       | 1,52    | 750        | 11,40   |

**CKF\_0D8** right with locking screw flanges female

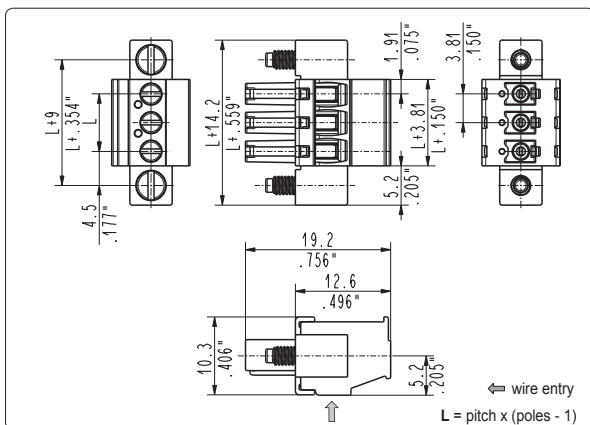
3.5 mm / .138" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020D8 | 250       | 1,00    | 1250       | 5,00    |
| 03    | CKF030D8 | 200       | 1,12    | 1000       | 5,60    |
| 04    | CKF040D8 | 175       | 1,26    | 1000       | 7,20    |
| 05    | CKF050D8 | 150       | 1,32    | 750        | 6,60    |
| 06    | CKF060D8 | 125       | 1,30    | 750        | 7,80    |
| 07    | CKF070D8 | 100       | 1,20    | 500        | 6,00    |
| 08    | CKF080D8 | 100       | 1,36    | 500        | 6,80    |
| 09    | CKF090D8 | 75        | 1,14    | 500        | 7,60    |
| 10    | CKF100D8 | 75        | 1,26    | 500        | 8,40    |
| 11    | CKF110D8 | 75        | 1,38    | 500        | 9,20    |
| 12    | CKF120D8 | 75        | 1,50    | 500        | 10,00   |
| 13    | CKF130D8 | 75        | 1,62    | 250        | 5,40    |
| 14    | CKF140D8 | 50        | 1,16    | 250        | 5,80    |
| 15    | CKF150D8 | 50        | 1,24    | 250        | 6,20    |
| 16    | CKF160D8 | 50        | 1,32    | 250        | 6,60    |
| 17    | CKF170D8 | 50        | 1,40    | 250        | 7,00    |
| 18    | CKF180D8 | 50        | 1,48    | 250        | 7,40    |
| 19    | CKF190D8 | 50        | 1,56    | 250        | 7,80    |
| 20    | CKF200D8 | 50        | 1,64    | 250        | 8,20    |
| 21    | CKF210D8 | 50        | 1,72    | 250        | 8,60    |
| 22    | CKF220D8 | 50        | 1,80    | 250        | 9,00    |
| 23    | CKF230D8 | 50        | 1,88    | 250        | 9,40    |

**CKF\_0D9** right with locking screw flanges female

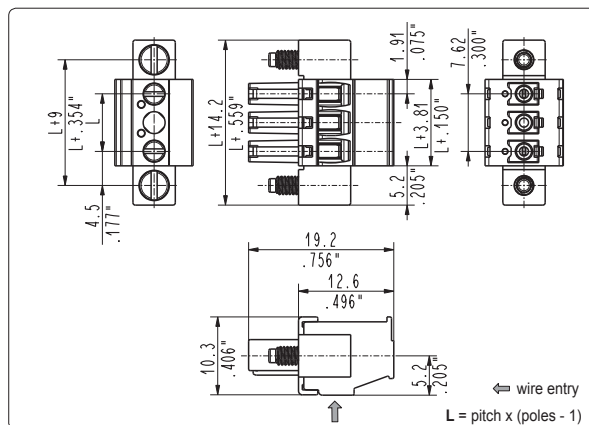
7 mm / .276" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020D9 | 200       | 0,92    | 1000       | 4,60    |
| 03    | CKF030D9 | 150       | 0,98    | 750        | 4,88    |
| 04    | CKF040D9 | 100       | 0,84    | 500        | 4,20    |
| 05    | CKF050D9 | 75        | 0,77    | 500        | 5,15    |
| 06    | CKF060D9 | 75        | 0,92    | 500        | 6,10    |
| 07    | CKF070D9 | 75        | 1,06    | 250        | 3,53    |
| 08    | CKF080D9 | 50        | 0,80    | 250        | 4,00    |
| 09    | CKF090D9 | 50        | 0,90    | 250        | 4,48    |
| 10    | CKF100D9 | 50        | 0,99    | 250        | 4,95    |
| 11    | CKF110D9 | 50        | 1,09    | 250        | 5,43    |
| 12    | CKF120D9 | 50        | 1,18    | 250        | 5,90    |

**CKF\_0DT** right with locking screw flanges female

3.81 mm / .150" pitch

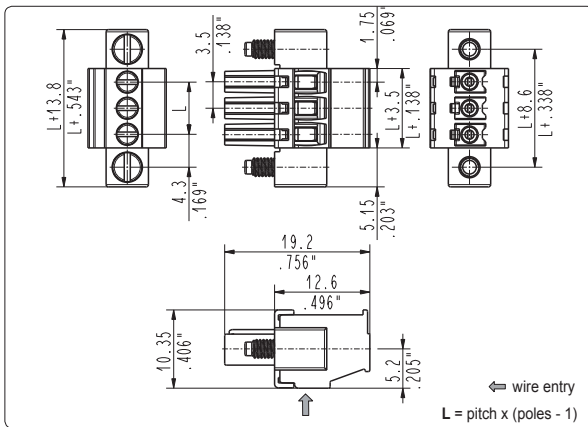
| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020DT | 250       | 1,00    | 1250       | 5,00    |
| 03    | CKF030DT | 200       | 1,12    | 1000       | 5,60    |
| 04    | CKF040DT | 175       | 1,26    | 1000       | 7,20    |
| 05    | CKF050DT | 150       | 1,32    | 750        | 6,60    |
| 06    | CKF060DT | 125       | 1,30    | 750        | 7,80    |
| 07    | CKF070DT | 100       | 1,20    | 500        | 6,00    |
| 08    | CKF080DT | 100       | 1,36    | 500        | 6,80    |
| 09    | CKF090DT | 75        | 1,14    | 500        | 7,60    |
| 10    | CKF100DT | 75        | 1,26    | 500        | 8,40    |
| 11    | CKF110DT | 75        | 1,38    | 500        | 9,20    |
| 12    | CKF120DT | 75        | 1,50    | 500        | 10,00   |
| 13    | CKF130DT | 75        | 1,62    | 250        | 5,40    |
| 14    | CKF140DT | 50        | 1,16    | 250        | 5,80    |
| 15    | CKF150DT | 50        | 1,24    | 250        | 6,20    |
| 16    | CKF160DT | 50        | 1,32    | 250        | 6,60    |

**CKF\_0D7** right with locking screw flanges female

7.62 mm / .300" pitch

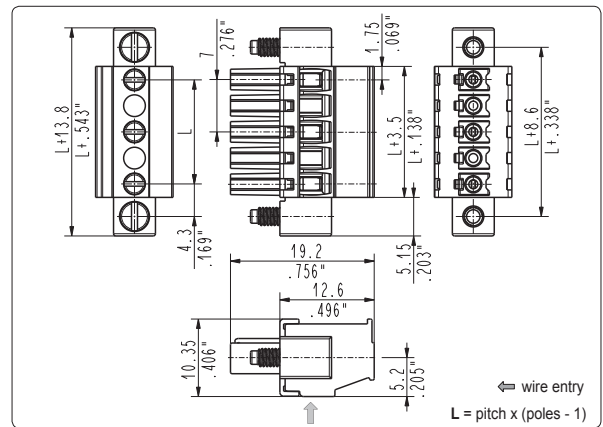
| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020D7 | 200       | 0,92    | 1000       | 4,60    |
| 03    | CKF030D7 | 150       | 0,98    | 750        | 4,88    |
| 04    | CKF040D7 | 100       | 0,84    | 500        | 4,20    |
| 05    | CKF050D7 | 75        | 0,77    | 500        | 5,15    |
| 06    | CKF060D7 | 75        | 0,92    | 500        | 6,10    |
| 07    | CKF070D7 | 75        | 1,06    | 250        | 3,53    |
| 08    | CKF080D7 | 50        | 0,80    | 250        | 4,00    |



**CKF\_0S8** left with locking screw flanges female

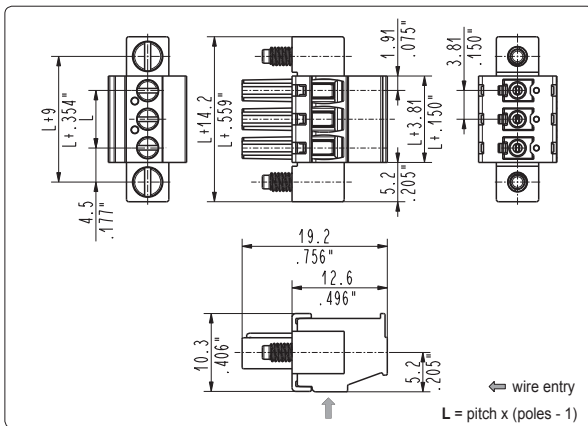
3.5 mm / .138" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020S8 | 250       | 1,00    | 1250       | 5,00    |
| 03    | CKF030S8 | 200       | 1,12    | 1000       | 5,60    |
| 04    | CKF040S8 | 175       | 1,26    | 1000       | 7,20    |
| 05    | CKF050S8 | 150       | 1,32    | 750        | 6,60    |
| 06    | CKF060S8 | 125       | 1,30    | 750        | 7,80    |
| 07    | CKF070S8 | 100       | 1,20    | 500        | 6,00    |
| 08    | CKF080S8 | 100       | 1,36    | 500        | 6,80    |
| 09    | CKF090S8 | 75        | 1,14    | 500        | 7,60    |
| 10    | CKF100S8 | 75        | 1,26    | 500        | 8,40    |
| 11    | CKF110S8 | 75        | 1,38    | 500        | 9,20    |
| 12    | CKF120S8 | 75        | 1,50    | 500        | 10,00   |
| 13    | CKF130S8 | 75        | 1,62    | 250        | 5,40    |
| 14    | CKF140S8 | 50        | 1,16    | 250        | 5,80    |
| 15    | CKF150S8 | 50        | 1,24    | 250        | 6,20    |
| 16    | CKF160S8 | 50        | 1,32    | 250        | 6,60    |
| 17    | CKF170S8 | 50        | 1,40    | 250        | 7,00    |
| 18    | CKF180S8 | 50        | 1,48    | 250        | 7,40    |
| 19    | CKF190S8 | 50        | 1,56    | 250        | 7,80    |
| 20    | CKF200S8 | 50        | 1,64    | 250        | 8,20    |
| 21    | CKF210S8 | 50        | 1,72    | 250        | 8,60    |
| 22    | CKF220S8 | 50        | 1,80    | 250        | 9,00    |
| 23    | CKF230S8 | 50        | 1,88    | 250        | 9,40    |

**CKF\_0S9** left with locking screw flanges female

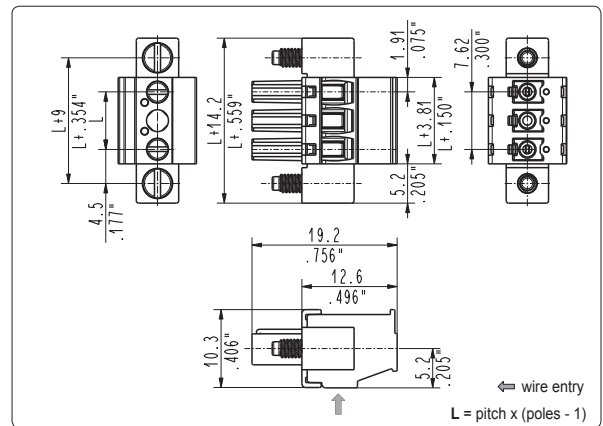
7 mm / .276" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020S9 | 200       | 0,92    | 1000       | 4,60    |
| 03    | CKF030S9 | 150       | 0,98    | 750        | 4,88    |
| 04    | CKF040S9 | 100       | 0,84    | 500        | 4,20    |
| 05    | CKF050S9 | 75        | 0,77    | 500        | 5,15    |
| 06    | CKF060S9 | 75        | 0,92    | 500        | 6,10    |
| 07    | CKF070S9 | 75        | 1,06    | 250        | 3,53    |
| 08    | CKF080S9 | 50        | 0,80    | 250        | 4,00    |
| 09    | CKF090S9 | 50        | 0,90    | 250        | 4,48    |
| 10    | CKF100S9 | 50        | 0,99    | 250        | 4,95    |
| 11    | CKF110S9 | 50        | 1,09    | 250        | 5,43    |
| 12    | CKF120S9 | 50        | 1,18    | 250        | 5,90    |

**CKF\_0ST** left with locking screw flanges female

3.81 mm / .150" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020ST | 250       | 1,00    | 1250       | 5,00    |
| 03    | CKF030ST | 200       | 1,12    | 1000       | 5,60    |
| 04    | CKF040ST | 175       | 1,26    | 1000       | 7,20    |
| 05    | CKF050ST | 150       | 1,32    | 750        | 6,60    |
| 06    | CKF060ST | 125       | 1,30    | 750        | 7,80    |
| 07    | CKF070ST | 100       | 1,20    | 500        | 6,00    |
| 08    | CKF080ST | 100       | 1,36    | 500        | 6,80    |
| 09    | CKF090ST | 75        | 1,14    | 500        | 7,60    |
| 10    | CKF100ST | 75        | 1,26    | 500        | 8,40    |
| 11    | CKF110ST | 75        | 1,38    | 500        | 9,20    |
| 12    | CKF120ST | 75        | 1,50    | 500        | 10,00   |
| 13    | CKF130ST | 75        | 1,62    | 250        | 5,40    |
| 14    | CKF140ST | 50        | 1,16    | 250        | 5,80    |
| 15    | CKF150ST | 50        | 1,24    | 250        | 6,20    |
| 16    | CKF160ST | 50        | 1,32    | 250        | 6,60    |

**CKF\_0S7** left with locking screw flanges female

7.62 mm / .300" pitch

| Poles | Code     | Pcs/pack. | W [kg]* | Pcs/Ind.** | W [kg]* |
|-------|----------|-----------|---------|------------|---------|
| 02    | CKF020S7 | 200       | 0,92    | 1000       | 4,60    |
| 03    | CKF030S7 | 150       | 0,98    | 750        | 4,88    |
| 04    | CKF040S7 | 100       | 0,84    | 500        | 4,20    |
| 05    | CKF050S7 | 75        | 0,77    | 500        | 5,15    |
| 06    | CKF060S7 | 75        | 0,92    | 500        | 6,10    |
| 07    | CKF070S7 | 75        | 1,06    | 250        | 3,53    |
| 08    | CKF080S7 | 50        | 0,80    | 250        | 4,00    |