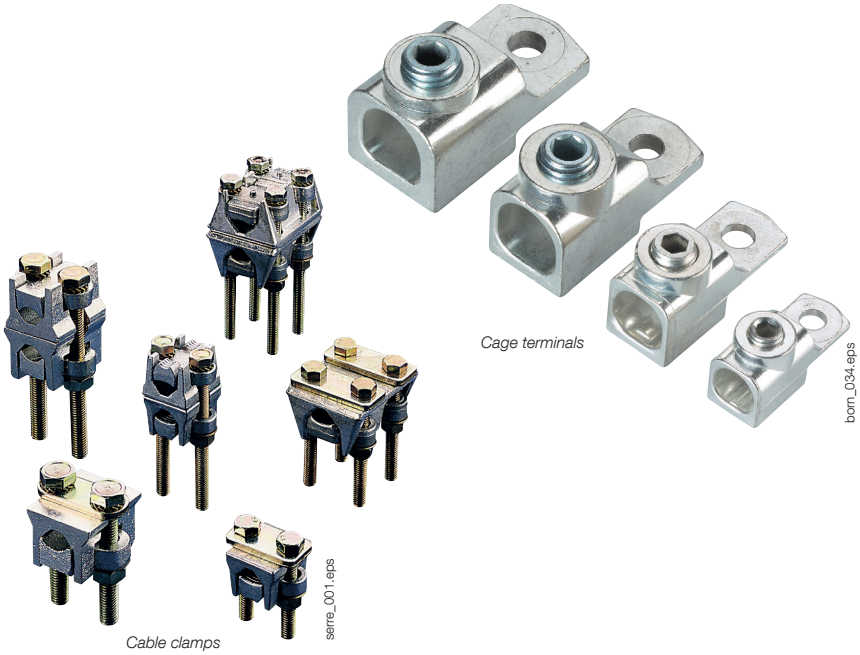
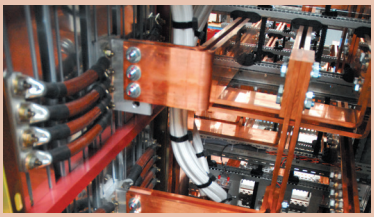
# Cable clamps and cage terminals

## Distribution system




### The solution for

> Electrical distribution



### Conformity to standards

**Cable clamps:**
> IEC 61439-1
> DIN 46206

**Cage terminals**
> IEC 60947-1
(if mounted to SOCOMEC devices)
> NF C 63-060
> NF C 63-062

## Function

SOCOMEC **power cable clamps** ensure the connection of copper or aluminium cables onto power terminals or busbars. These tinned clamps provide increased mechanical strength and high resistance to humidity (supplied “tropicalised”).
SOCOMEC **cage terminals** are connection accessories that can be fixed onto the power terminals of SOCOMEC load break switches, changeover switches and fuse combination switches. They enable a direct terminal-free connection to rigid copper and aluminium conductors, with integration under the IP2 protective cover.

## Characteristics

**Cable clamps**
- 2 connection cross-section ranges from 35 to 300 mm².
- 2 cable clamp models with bracket mounting: single-double.

**Cage terminals**
- Ratings: 160 to 630 A.
- Number of poles: 3 and 4.
- Material: tin-plated aluminium.

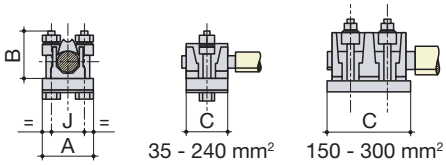
## Single cable clamps

### References

| Connection capacity (mm²) | Ø max. cabling (mm) | Corresponding power terminals | Reference |
|---|---|---|---|
| 35 … 185 | 17 | Type 4 | 4500 **0013** |
| 150 … 300 | 25 | Type 5 | 4500 **0028** |

| Connection capacity (mm²) | A | B | C | J |
|---|---|---|---|---|
| 35 … 185 | 42 | 48 | 35 | 26 |
| 150 … 300 | 53 | 50 | 60 | 33 |

### Dimensions

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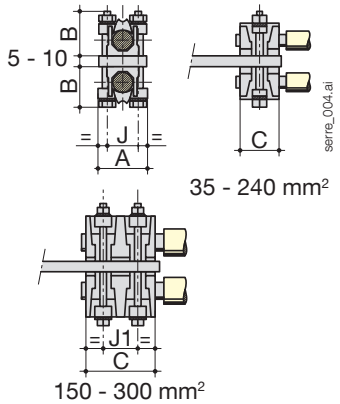
## Double cable clamps

### References

| Connection capacity (mm²) | Ø max. cabling (mm) | Corresponding power terminals | Reference |
|---|---|---|---|
| 35 … 185 | 17 | Type 4 | 4500 **0031** |
| 150 … 300 | 25 | Type 5 | 4500 **0034** |



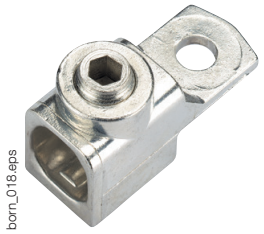

### Dimensions

| Connection capacity (mm²) | A | B | C | J | $J_1$ |
|---|---|---|---|---|---|
| 35 … 185 | 42 | 48 | 35 | 26 | - |
| 150 … 300 | 53 | 50 | 60 | 33 | 33 |

## Single cage terminals

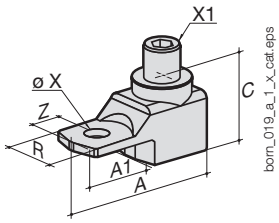
### References

| Connection capacity (mm²) | Switch rating (A) | No. of poles | Tightening torque (Nm) | Flexible bar width (mm) | Reference |
|---|---|---|---|---|---|
| 16 … 95 | 160 | 3 P | 14 | 13 | 5400 **3016** |
| 16 … 95 | 160 | 4 P | 14 | 13 | 5400 **4016** |
| 16 … 185 | 250 | 3 P | 25 | 18 | 5400 **3025** |
| 16 … 185 | 250 | 4 P | 25 | 18 | 5400 **4025** |
| 50 … 240 | 400 | 3 P | 45 | 20 | 5400 **3040** |
| 50 … 240 | 400 | 4 P | 45 | 20 | 5400 **4040** |
| 70 … 300 | 630 | 3 P | 45 | 24 | 5400 **3063** |
| 70 … 300 | 630 | 4 P | 45 | 24 | 5400 **4063** |




### Dimensions

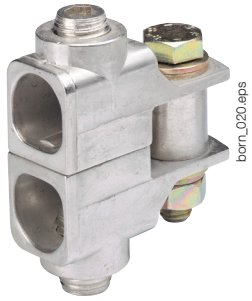
| Switch rating (A) | A | $A_1$ | C | E | R | T | ØX | $X_1$ | Z |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 47.5 | 22.5 | 25 | 12 | 20 | 3.5 | 8.5 | M12 | 10 |
| 250 | 62 | 31.5 | 31.5 | 16.5 | 25 | 2.5 | 10.5 | M16 | 14 |
| 400 | 71.5 | 32 | 38 | 9 | 32 | 5 | 10.5 | M20 | 15 |
| 630 | 76.5 | 37 | 38 | 9 | 40 | 5 | 12.5 | M20 | 15 |

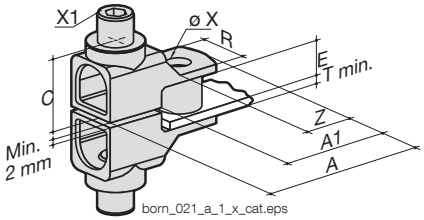



## Double cage terminals

### References

| Connection capacity (mm²) | Switch rating (A) | No. of poles | Tightening torque (Nm) | Flexible bar width (mm) | Reference |
|---|---|---|---|---|---|
| 16 … 95 | 160 | 3 P | 14 | 13 | 5400 **3216** |
| 16 … 95 | 160 | 4 P | 14 | 13 | 5400 **4216** |
| 16 … 185 | 250 | 3 P | 25 | 18 | 5400 **3225** |
| 16 … 185 | 250 | 4 P | 25 | 18 | 5400 **4225** |
| 50 … 240 | 400 | 3 P | 45 | 20 | 5400 **3240** |
| 50 … 240 | 400 | 4 P | 45 | 20 | 5400 **4240** |
| 70 … 300 | 630 | 3 P | 45 | 24 | 5400 **3263** |
| 70 … 300 | 630 | 4 P | 45 | 24 | 5400 **4263** |




### Dimensions

| Switch rating (A) | A | $A_1$ | C | E | R | T | ØX | $X_1$ | Z |
|---|---|---|---|---|---|---|---|---|---|
| 160 | 47.5 | 22.5 | 25 | 12 | 20 | 3.5 | 8.5 | M12 | 10 |
| 250 | 62 | 31.5 | 31.5 | 16.5 | 25 | 2.5 | 10.5 | M16 | 14 |
| 400 | 71.5 | 32 | 38 | 9 | 32 | 5 | 10.5 | M20 | 15 |
| 630 | 76.5 | 37 | 38 | 9 | 40 | 5 | 12.5 | M20 | 15 |