



4939S**

6.3 (.250) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



Specification Extra low insertion

For male (mm) 6,3x0,8

Wire size mm² (AWG) 1-2,5 (18-14)

Ø Insulation (mm) 3-4,3

Materials, temperature and contact resistance

| Part nr. | Material | Finishing | Max. Temp. (°C) | Contact Resist (mΩ) |
|----------|----------|----------------|-----------------|---------------------|
| 4939S00 | Brass | Natural | 110 | 1.20 |
| 4939S01 | Brass | Pre-tin-plated | 120 | 1.00 |

Material thickness (mm) 0,4

Max. rated current

| Wire section | 4939S00 / 01 |
|----------------------|--------------|
| 1.00 mm ² | 7A |
| 1.50 mm ² | 10A |
| 2.50 mm ² | 12A |

Insertion / Withdrawal forces

| | 4939S00 / 01 |
|---------------------------------------|------------------|
| 1st Insertion (max) | 15N ¹ |
| 1st Withdrawal (max) | 20N ¹ |
| 1st Withdrawal (min, locking enabled) | 60N ¹ |

¹ Valid for Natural Brass Tab


Security function

Self-locking function prevents disconnection by pulling the cable. Disconnection is possible disabling the locking function, pressing the lever manually or sliding the connector (see withdrawal forces). It allows several connections-disconnections maintaining the functional features.

Application tool MN4939

Wire strip length 5.5 (±0.5) mm

Crimping parameters & pull out force

| Wire section (±10%) | Conductor  | | Insulator | Pull-out force (N) |
|----------------------|---|--------------|--------------|--------------------|
| | Height (mm) | Width (mm) | Width (mm) | |
| 1.00 mm ² | 1.55 (±0.05) | 3.06 (±0.05) | 4.09 (±0.10) | 108N @ 60s |
| 1.50 mm ² | 1.70 (±0.05) | 3.07 (±0.05) | 4.11 (±0.10) | 150N @ 60s |
| 2.00 mm ² | 1.80 (±0.05) | 3.08 (±0.05) | 4.12 (±0.10) | 150N @ 60s |
| 2.50 mm ² | 1.90 (±0.05) | 3.10 (±0.05) | 4.17 (±0.10) | 230N @ 60s |

Values only valid for the application tool specified upwards. The insulator widths are only indicative as they are dependent on the sheath thickness of the wire used.

Winding number 6000

Compatible connectors 26418**, RS5412**-K, RS5413**-K

Approvals





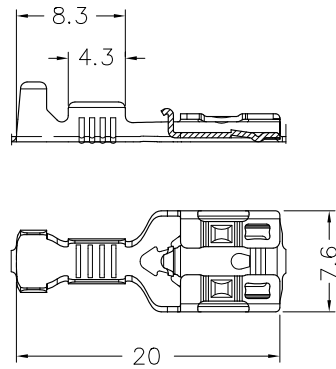
4939S**

6.3 (.250) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



Drawing





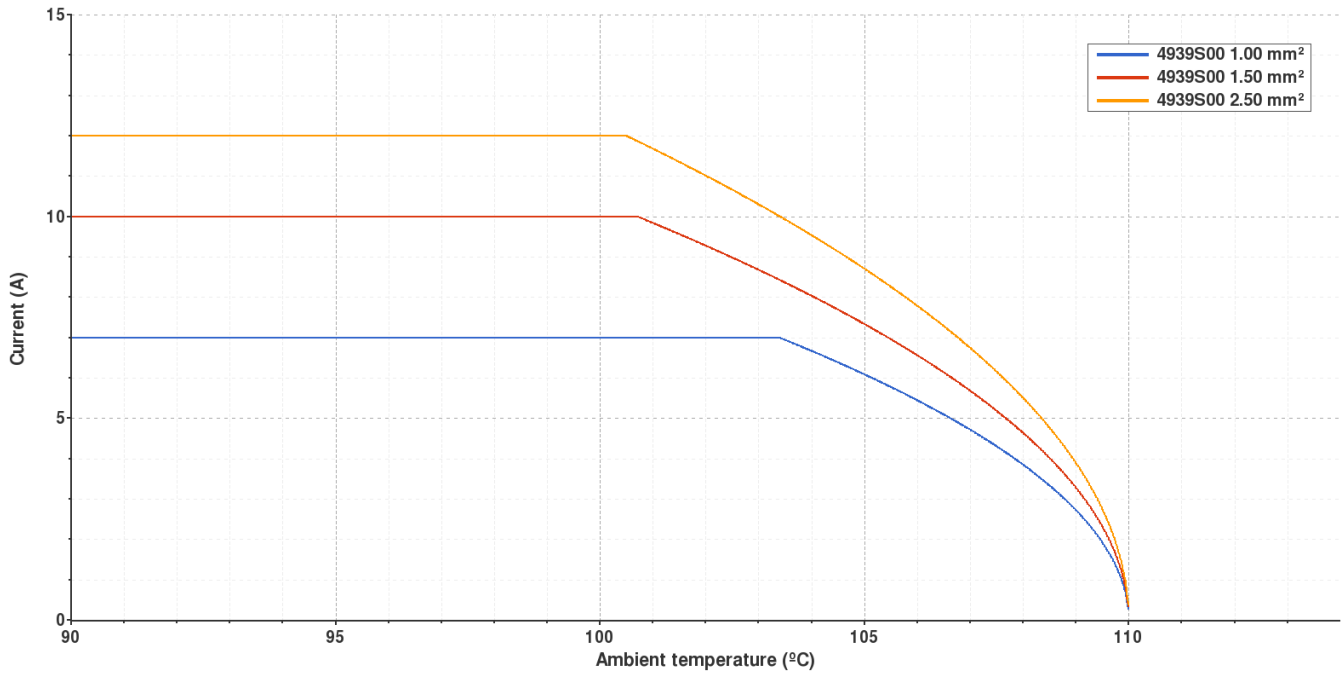
4939S00 NATURAL BRASS



6.3 (.250) TYPE SERIES · RECEPTACLES
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

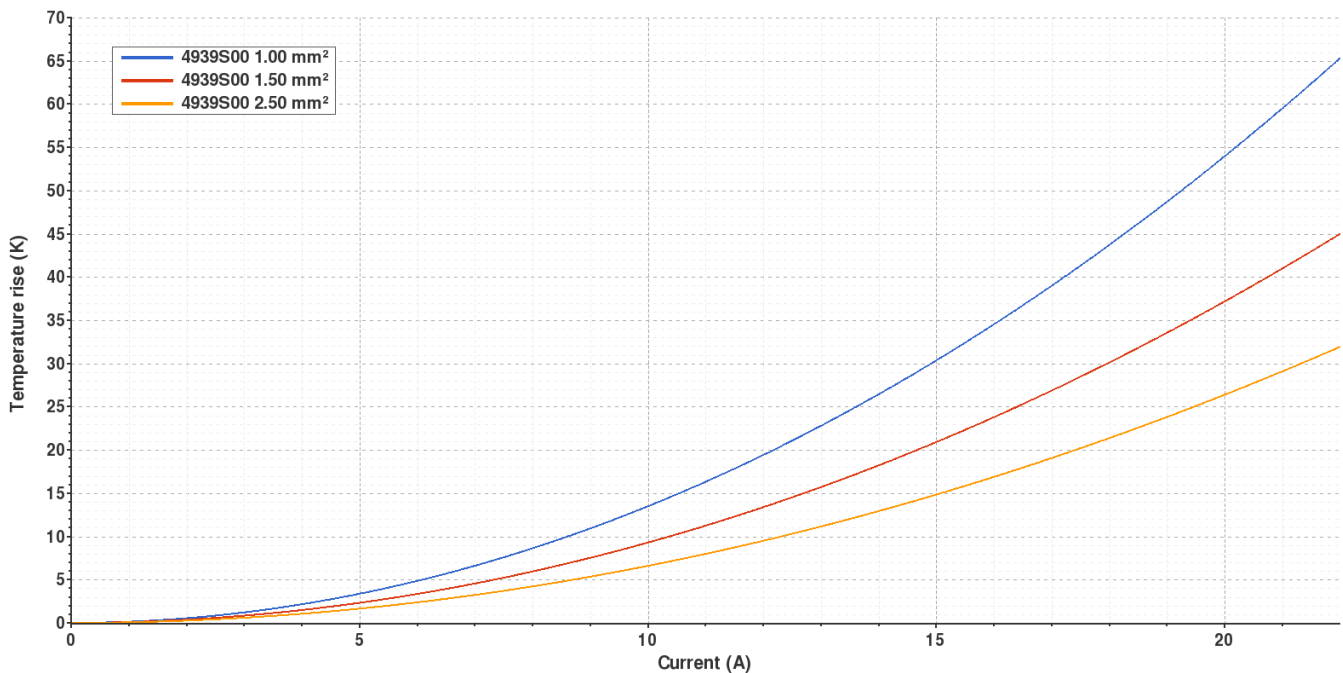
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



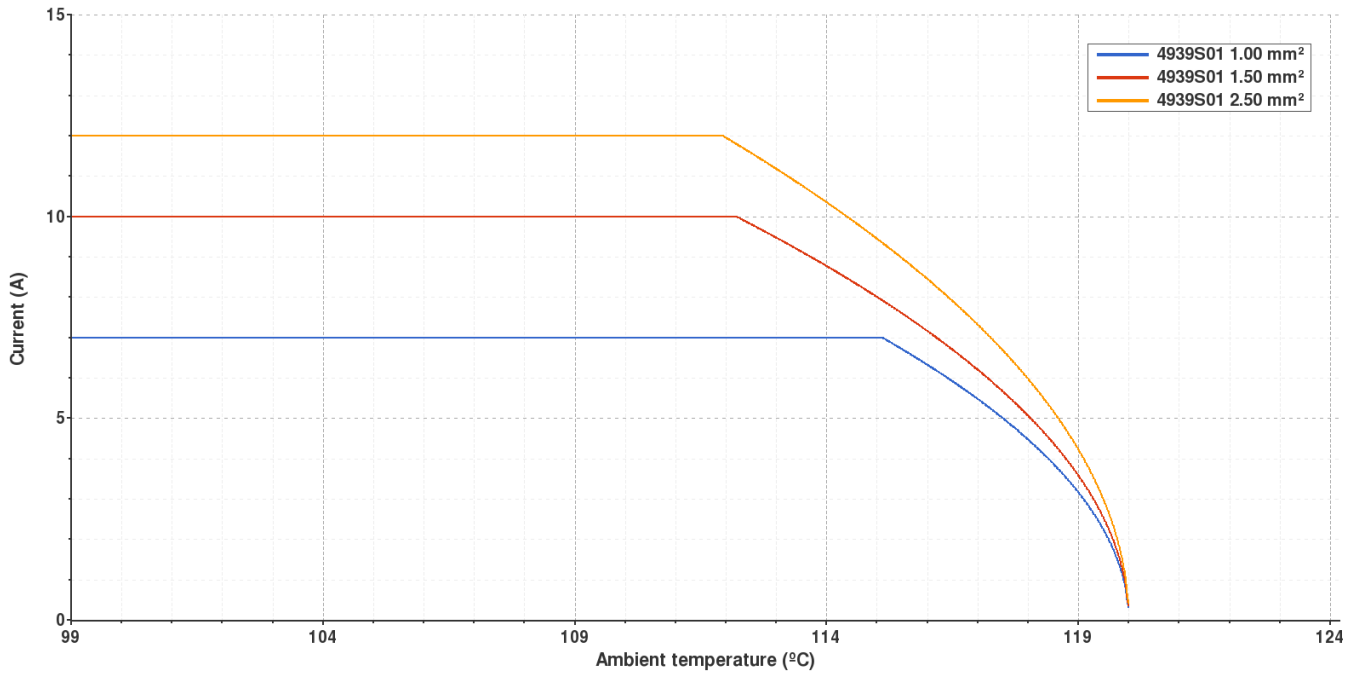
4939S01 PRE-TIN-PLATED BRASS



6.3 (.250) TYPE SERIES · RECEPTACLES
SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.

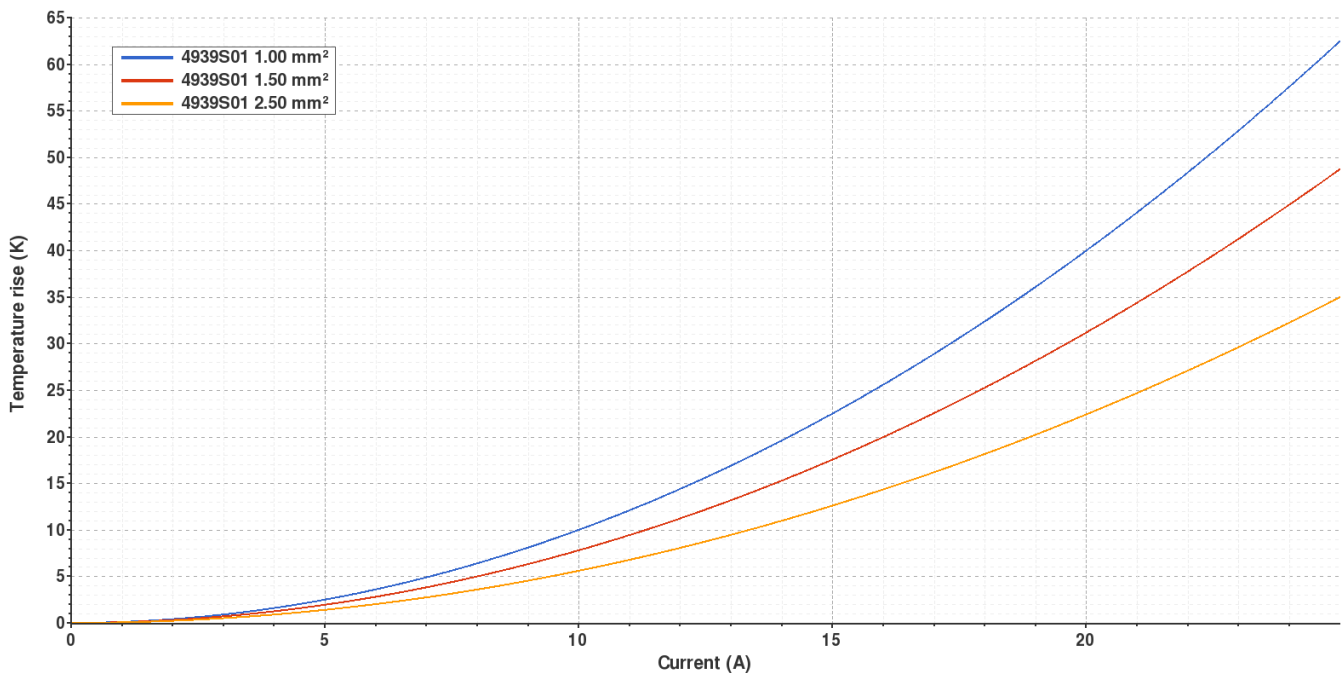
Derating curve

Current carrying capacity vs. Ambient temperature



Temperature rise curve

Terminal temperature rise due to the current carried



Valid for Natural Brass Tab



4939S**

6.3 (.250) TYPE SERIES · RECEPTACLES

SELF-LOCKING RECEPTACLES. LOW INSERTION TERMINALS.



Disclaimer

Data obtained from Escubedo Laboratory essays, using own methodology, cablings, equipment and original crimping tools, done in laboratory conditions and following the indicated standards, errors and omissions excepted. This document has no contractual meaning and it is publicised only for informative purposes. It can be changed without prior notice. The end customer has the sole responsibility to check these characteristics in its environment and with its own components, manufacturing methods and equipment. See also the full range product overview if available. For further information please visit our web site or contact us

| Rev. Nr. | Concept | Date | Created/Revised | Approved |
|----------|--|------------|------------------|----------|
| A3 | Update de-rating curves | 2018-11-08 | Laboratory Dept. | E. Roura |
| A2 | Update Curves & Contact Resistance | 2018-08-06 | Laboratory Dept. | E. Roura |
| A1 | Datasheet generated automatically [A1] | 2018-07-31 | Laboratory Dept. | E. Roura |