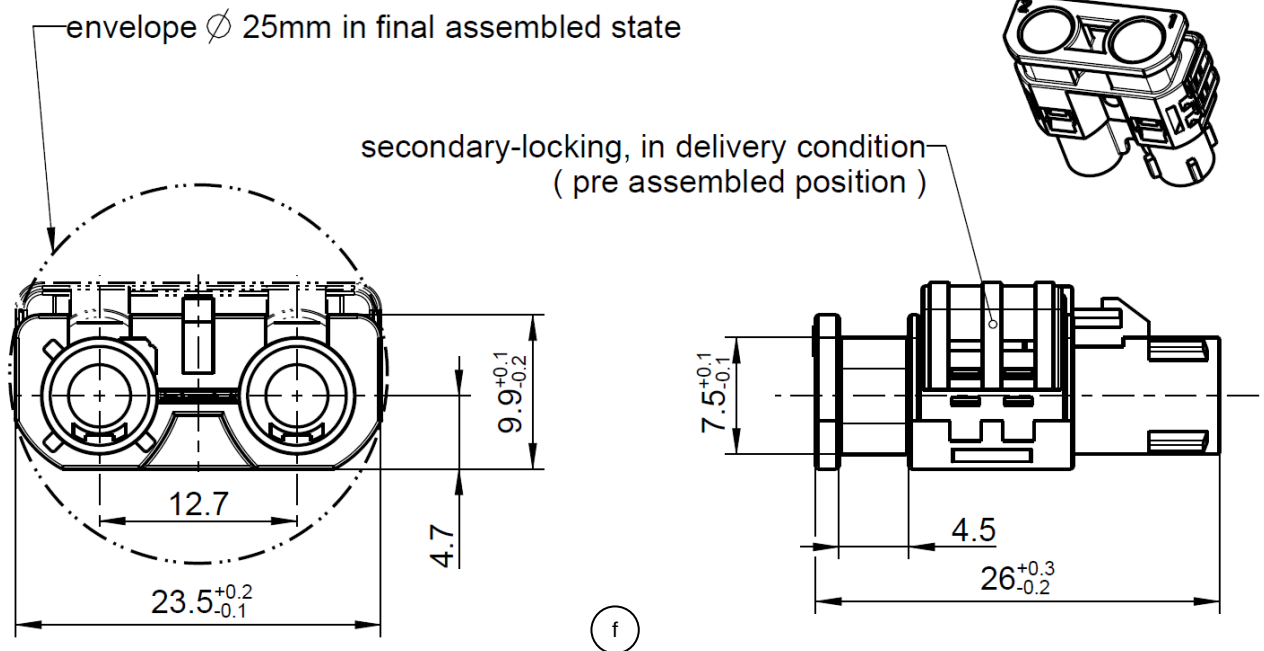




All dimensions are in mm; tolerances according to ISO 2768 m-H  
Y = Part number has to be accomplished by codification

### Interface

According to

DIN 72594-1

### Material and plating

#### Connector parts

Housing  
Secondary Lock

#### Material

PPE  
PPE

### Mechanical data

|                                |        |
|--------------------------------|--------|
| Mating cycles                  | ≥ 25   |
| Retention force primary lock   | ≥ 80 N |
| Retention force secondary lock | ≥ 60 N |
| Coding efficiency              | ≥ 40 N |

### Environmental data

|                                |                            |
|--------------------------------|----------------------------|
| Temperature range              | -40°C to +105°C            |
| Thermal shock                  | DIN 72594-2 clause 6.2     |
| Temperature and humidity       | DIN 72594-2 clause 6.3     |
| Vibration and mechanical shock | DIN 72594-2 clause 6.1     |
| Dry heat                       | DIN 72594-2 clause 6.4     |
| RoHS                           | compliant <span>(e)</span> |

### Application

Applicable e.g. for following connectors: 59S10E-1xx \*; 59S10L-1xx \*; 59S100-1xx \*

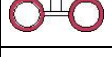
\* -xx for all available cable variatios

### Packing

|          |                                                                |
|----------|----------------------------------------------------------------|
| Standard | 200 pcs in box, 600 pcs in reusable container <span>(e)</span> |
| Weight   | 2.13 g/pce                                                     |

### Coding

Part Number has to be accomplished by codification

| Coding                                                                                | Color          | RAL       | Part-Number    |
|---------------------------------------------------------------------------------------|----------------|-----------|----------------|
|  A | Jet black      | sim. 9005 | 59Z016-000_A   |
|  B | Cream white    | sim. 9001 | 59Z016-000_B   |
|  C | Signal blue    | sim. 5005 | 59Z016-000_C   |
|  D | Claret violet  | sim. 4004 | 59Z016-000_D   |
|  E | Leaf green     | sim. 6002 | 59Z016-000_E   |
|  F | Nut brown      | sim. 8011 | 59Z016-000_F   |
|  G | Blue grey      | sim. 7031 | 59Z016-000_G   |
|  H | Heather violet | sim. 4003 | 59Z016-000_H   |
|  I | Beige          | sim. 1001 | 59Z016-000_I   |
|  K | Curry          | sim. 1027 | 59Z016-000_K   |
|  Z | Water blue     | sim. 5021 | 59Z016-000_Z   |
|                                                                                       | Traffic purple | sim. 4006 | secondary lock |

(f)

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RF\_35/05.10/6.2

| Technical Data Sheet                                                                                                                                                                                                                                                                                                                                                                                   |          |                                                                                                                             |          | <b>Rosenberger</b> |                                                                                              |                |               |      |      |        |     |          |                                                                                                                             |     |          |                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------|----------|--------------------|----------------------------------------------------------------------------------------------|----------------|---------------|------|------|--------|-----|----------|-----------------------------------------------------------------------------------------------------------------------------|-----|----------|--------------------------------------------------------------------------------|
| FAKRA-HF                                                                                                                                                                                                                                                                                                                                                                                               |          | PLASTIC HOUSING                                                                                                             |          | 59Z016-000-Y       |                                                                                              |                |               |      |      |        |     |          |                                                                                                                             |     |          |                                                                                |
| <div>Change History</div> <table><tr><th>Rev.</th><th>Date</th><th>Change</th></tr><tr><td>e00</td><td>26.10.17</td><td>- Changed Standard:<br/>From "tbd" to "200 pcs in box, 600 pcs in reusable container"<br/>- 2002/95/EC (RoHS) changed to RoHS</td></tr><tr><td>f00</td><td>04.11.18</td><td>- Picture updated<br/>- Changed weight position<br/>- Updated color designations</td></tr></table> |          |                                                                                                                             |          |                    |                                                                                              |                |               | Rev. | Date | Change | e00 | 26.10.17 | - Changed Standard:<br>From "tbd" to "200 pcs in box, 600 pcs in reusable container"<br>- 2002/95/EC (RoHS) changed to RoHS | f00 | 04.11.18 | - Picture updated<br>- Changed weight position<br>- Updated color designations |
| Rev.                                                                                                                                                                                                                                                                                                                                                                                                   | Date     | Change                                                                                                                      |          |                    |                                                                                              |                |               |      |      |        |     |          |                                                                                                                             |     |          |                                                                                |
| e00                                                                                                                                                                                                                                                                                                                                                                                                    | 26.10.17 | - Changed Standard:<br>From "tbd" to "200 pcs in box, 600 pcs in reusable container"<br>- 2002/95/EC (RoHS) changed to RoHS |          |                    |                                                                                              |                |               |      |      |        |     |          |                                                                                                                             |     |          |                                                                                |
| f00                                                                                                                                                                                                                                                                                                                                                                                                    | 04.11.18 | - Picture updated<br>- Changed weight position<br>- Updated color designations                                              |          |                    |                                                                                              |                |               |      |      |        |     |          |                                                                                                                             |     |          |                                                                                |
| <p>While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.</p>                                                    |          |                                                                                                                             |          |                    |                                                                                              |                |               |      |      |        |     |          |                                                                                                                             |     |          |                                                                                |
| Draft                                                                                                                                                                                                                                                                                                                                                                                                  | Date     | Approved                                                                                                                    | Date     | Rev.               | Engineering change number                                                                    | Name           | Date          |      |      |        |     |          |                                                                                                                             |     |          |                                                                                |
| D.Oberhöller                                                                                                                                                                                                                                                                                                                                                                                           | 10.08.05 | F. Mayer                                                                                                                    | 13.12.18 | f00                | 18-2255                                                                                      | T. Unterhauser | 13.12.18      |      |      |        |     |          |                                                                                                                             |     |          |                                                                                |
| Rosenberger Hochfrequenztechnik GmbH & Co. KG<br>P.O.Box 1260 D-84526 Tittmoning Germany<br><a href="http://www.rosenberger.de">www.rosenberger.de</a>                                                                                                                                                                                                                                                 |          |                                                                                                                             |          |                    | Tel. : +49 8684 18-0<br>Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a> |                | Page<br>3 / 3 |      |      |        |     |          |                                                                                                                             |     |          |                                                                                |