

All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**

According to DIN 72594-1

**Material**

Housing PBT-GF20 (d)  
Secondary Lock PBT-GF10

**Mechanical data**

Mating cycles  $\geq 25$   
Retention force latch  $\geq 110\text{ N}$   
Retention force primary lock  $\geq 80\text{ N}$   
Retention force secondary lock  $\geq 60\text{ N}$   
Coding efficiency  $\geq 40\text{ N}$

**Environmental data**

Temperature range -40°C to +105°C  
Thermal shock DIN 72594-2 clause 8.2  
Temperature and humidity DIN 72594-2 clause 8.3 (b)  
Vibration and mechanical shock DIN 72594-2 clause 8.1 (b)  
Dry heat DIN 72594-2 clause 8.4 (b)  
RoHS compliant (b)

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**Application**















Applicable e.g. for following connectors: 59K13O-1xx<sup>\*1)</sup>, 59K13D-1xx<sup>\*1)</sup>, 59K13F-1xx<sup>\*1)</sup>, 59K16A-1xx<sup>\*1)</sup>, 59K16B-1xx<sup>\*1)</sup>  
<sup>\*1)</sup> -xx for all available cable variations

**Packing**

Standard 500 pcs in box, 1500 pcs in reusable container (d)  
 Weight 1.48 g/pce

**Coding**

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59Z113-000-A
 B	white	sim. 9001	59Z113-000-B
 C	blue	sim. 5005	59Z113-000-C
 D	bordeauxviolet	sim. 4004	59Z113-000-D
 E	green	sim. 6002	59Z113-000-E
 F	brown	sim. 8011	59Z113-000-F
 G	grey	sim. 7031	59Z113-000-G
 H	violet	sim. 4003	59Z113-000-H
 I	beige	sim. 1001	59Z113-000-I
 K	curry	sim. 1027	59Z113-000-K
 L	carmine red	sim. 3002	59Z113-000-L <sup>*2)</sup>
 M	pastel orange	sim. 2003	59Z113-000-M <sup>*2)</sup>
 N	pastel green	sim. 6019	59Z113-000-N <sup>*2)</sup>
 Z	waterblue	sim. 5021	59Z113-000-Z
	traffic purple	sim. 4006	secondary lock

<sup>\*2)</sup> on request