

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  $\geq 110$  N  
 Retention force primary lock  $\geq 80$  N  
 Retention force secondary lock  $\geq 60$  N  
 Coding efficiency  $\geq 40$  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

**Change History**

Rev.	Date	Change
b00	02.09.13	Data specification changed from 13 ±0.2 to 12.95 ±0.2 and 26.35 ±0.2 to 26.4 ±0.2. Environmental data specification changed from 6.2 to 8.2, 6.3 to 8.3, 6.1 to 8.1, 6.4 to 8.4 and 2002/95/EC (RoHS) changed to RoHS
c00	20.01.15	Index clearing up
d00	25.10.17	- Changed Standard: From "500 pcs in box" to "1500 pcs in box" - Material specification of Housing changed: From "PBT" to "PBT-GF20" - Material specification of Secondary Lock changed: From "PBT" to "PBT-GF10"

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Lang	01.04.10	P. Blaßfeld	10.11.17	d00	17-1457	C. Ostermaier	10.11.17

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