

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

Interface

According to ISO 20860-1, DIN 72594-1 (d)

Material

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

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
Vibration and mechanical shock	DIN 72594-2 clause 8.1
Dry heat	DIN 72594-2 clause 8.4
RoHS	compliant

Application

Applicable e.g. for following connectors: 59K13O-1xx^{*1)}, 59K13D-1xx^{*1)}, 59K13F-1xx^{*1)}, 59K16A-1xx^{*1)}, 59K16B-1xx^{*1)}















^{*1)} -xx for all available cable variations

Packing

Standard 1500 pcs in box, 1500 pcs in reusable container (d) (e)
 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 ^{*2)}
 M	pastel orange	sim. 2003	59Z113-000-M ^{*2)}
 N	pastel green	sim. 6019	59Z113-000-N ^{*2)}
 Z	waterblue	sim. 5021	59Z113-000-Z
	traffic purple	sim. 4006	secondary lock

^{*2)} on request

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Change History

Rev.	Date	Change
c00	20.01.15	Index clearing up
d00	25.10.17	- Changed Standard: From "500 pcs in box" to "500 pcs in box, 1500 pcs in reusable container" - Material specification of Housing changed: From "PBT" to "PBT-GF20" - Material specification of Secondary Lock changed: From "PBT" to "PBT-GF10" - Added Interface: ISO 20860-1
e00	15.11.21	Packaging sizes updated -old packaging size "500 pcs in box, 1500 pcs in reusable container" -updated to "1500 pcs in box, 1500 pcs in reusable container" Changed font to non-italic

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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
M. Lang	01.04.10	F. Danzl	15.11.21	e00	21-1468	S. Guggenberger	15.11.21