



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

Interface

According to
Clips slot acc. to

ISO 20860-1; DIN 72594-1
USCAR 18 rev3 app. C

Material and plating

Connector parts

Housing
Secondary lock

Material
PBT-GF10
PBT-GF10

Mechanical data

Mating cycles ≥ 25
Retention force latch ≥ 110 N
Retention force primary lock ≥ 80 N
Retention force secondary lock ≥ 60 N
Coding efficiency ≥ 40 N

(b)

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RF_35/09.14/6.2

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

(b)

Application

Applicable e.g for following connectors: 59S10E-1xx **, 59S10L-1xx **, 59S10O-1xx **, 59S16A-1xx **

** -xx for all available cable variations

Packing

Standard	400 pcs in box
Weight	1.74 g/pce

(d)

Coding

Part Number has to be accomplished by codification

Coding	Colour	RAL	Part-Number
 A	black	sim. 9005	59Z118-C00-A
 B	white	sim. 9001	59Z118-C00-B
 C	blue	sim. 5005	59Z118-C00-C
 D	bordeauxviolet	sim. 4004	59Z118-C00-D
 E	green	sim. 6002	59Z118-C00-E
 F	brown	sim. 8011	59Z118-C00-F
 G	grey	sim. 7031	59Z118-C00-G
 H	violet	sim. 4003	59Z118-C00-H
 I	beige	sim. 1001	59Z118-C00-I
 K	curry	sim. 1027	59Z118-C00-K
 L	carmine red	sim. 3002	59Z118-C00-L
 M	pastel orange	sim. 2003	59Z118-C00-M
 N	pastel green	sim. 6019	59Z118-C00-N
 Z	waterblue	sim. 5021	59Z118-C00-Z
	traffic purple	sim. 4006	secondary lock

Chang history

Rev.	Date	Change
b00	17.12.15	- added mechanical data and environmental data
c00	03.11.16	- adjusted the picture to reflect current state of the part - added parenthesis to measure 16.85
d00	20.08.18	- changed from 500 to 400 pcs in box

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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
B. Huber	01.07.13	E. Preintner	24.09.18	d00	18-1487	J. Engelhardt	24.09.18

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