

All dimensions are in mm;
Y = Part number has to be accomplished by codification

Interface

According to ISO 20860-1; DIN 72594-1



Material and plating

Connector parts

Housing
Secondary lock

Material

PBT-GF20
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

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 for connector:	59S10E-1xx **
	59S10L-1xx **
	59S10O-1xx **
	59S16A-1xx **

** -xx for all available cable variations















Packing

Standard	500 pcs in box
	2000 pcs in box
	2000 pcs in returnable box
Weight	1.07 g/pce



Coding

Part Number has to be accomplished by codification

Coding	Colour	RAL	Part-Number-RT	
	A	black	sim. 9005	59Z064-000-A
	B	white	sim. 9001	59Z064-000-B
	C	blue	sim. 5005	59Z064-000-C
	D	bordeauxviolet	sim. 4004	59Z064-000-D
	E	green	sim. 6002	59Z064-000-E
	F	brown	sim. 8011	59Z064-000-F
	G	grey	sim. 7031	59Z064-000-G
	H	violet	sim. 4003	59Z064-000-H
	I	beige	sim. 1001	59Z064-000-I
	K	curry	sim. 1027	59Z064-000-K
	L	carmine red	sim. 3002	59Z064-000-L
	M	pastel orange	sim. 2003	59Z064-000-M
	N	pastel green	sim. 6019	59Z064-000-N
	Z	waterblue	sim. 5021	59Z064-000-Z
		traffic purple	sim. 4006	secondary lock

Change history

Rev	Date	Change
g00	11.02.2021	- "2000 pcs in box" added - tolerance, material, environment and interface spec. adjusted acc.to the actual state

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
M. Zebhauser	01.09.04	F. Danzl	11.02.21	g00	20-2530	S. Guggenberger	11.02.21