

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

Interface

According to ISO 20860-1; DIN 72594-1

Documents

Assembly instruction MA_59V111

Material and plating

Connector parts

	Material	Colour
Housing	PBT-I-GF30	
Sealing ring	Silicone	green
Lock ring	Beryllium Copper	

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RF_35/09_14/6.2

Mechanical data

Mating cycles	max. 5
Retention force latch	≥ 110 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:	59K16B-1xx ** 59K13O-1xx **
Required additional piece parts:	59K14B-1XX/50 Cable Seal 59Z163-000/51 Sealing Cap

** -xx for all available cable variations up to 25 mm connector length, except cable variation 09 (c)















Packing

Standard***	2000 pcs in box (b) (d)
Weight	2.1 g/pce

***Cable Seal and Sealing Cap must be ordered separately

Coding

Part Number has to be accomplished by codification

Coding	Colour	RAL	Part-Number-RT	
	A	black	sim. 9005	59Z163-003-A
	B	white	sim. 9001	59Z163-003-B
	C	blue	sim. 5005	59Z163-003-C
	D	bordeauxviolet	sim. 4004	59Z163-003-D
	E	green	sim. 6002	59Z163-003-E
	F	brown	sim. 8011	59Z163-003-F
	G	grey	sim. 7031	59Z163-003-G
	H	violet	sim. 4003	59Z163-003-H
	I	beige	sim. 1001	59Z163-003-I
	K	curry	sim. 1027	59Z163-003-K
	L	carmine red	sim. 3002	59Z163-003-L
	M	pastel orange	sim. 2003	59Z163-003-M
	N	pastel green	sim. 6019	59Z163-003-N
	Z	waterblue	sim. 5021	59Z163-003-Z

Change history

Rev.	Date	Change
b00	20.02.20	- added overflow specification - added packing specification
c00	13.08.21	Note (**) updated
d00	22.03.23	changed 250 pcs in box, 1000 pcs in reusable container to 2000 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
T. Unterhauser	18.08.17	F. Danzl	24.03.23	d00	23-0424	S. Guggenberger	24.03.23

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