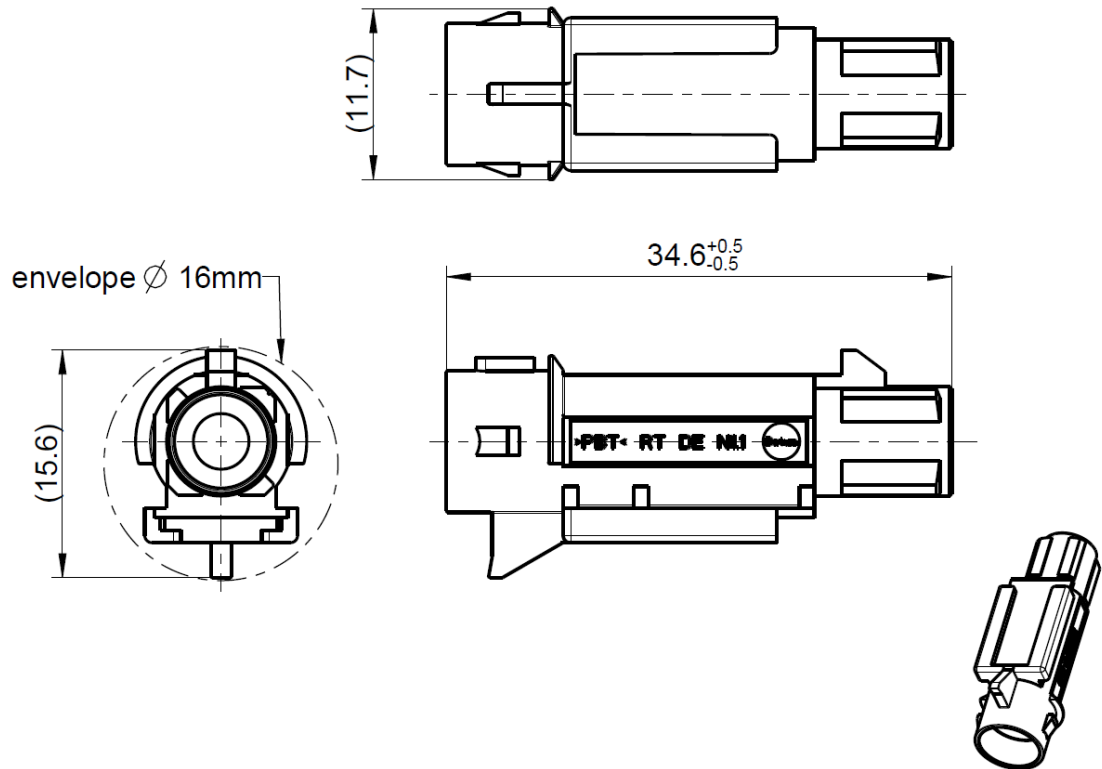




All dimensions are in mm; tolerances according to ISO 2768 m-H
Y = Part number has to be accomplished by codification

Interface

According to

ISO 20860-1; DIN 72594-1; USCAR

Documents

Assembly instruction

MA_59V116



Material and plating

Connector parts

Housing
Lock ring

Material

PBT
Beryllium Copper

Mechanical data

Mating cycles	≥ 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:	59S10O-1xx **, 59S16A-1xx**
Required additional piece parts:	59K14B-1xx/50 ** Cable Seal 59Z163-000/51 Sealing Cap

** -xx for all available cable variations up to 27mm connector length, except cable variation 09

Packing

Standard***	2000 pcs in box
Weight	1.6 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
	A	black	sim. 9005	59Z176-C01-A
	B	white	sim. 9001	59Z176-C01-B
	C	blue	sim. 5005	59Z176-C01-C
	D	bordeauxviolet	sim. 4004	59Z176-C01-D
	E	green	sim. 6002	59Z176-C01-E
	F	brown	sim. 8011	59Z176-C01-F
	G	grey	sim. 7031	59Z176-C01-G
	H	violet	sim. 4003	59Z176-C01-H
	I	beige	sim. 1001	59Z176-C01-I
	K	curry	sim. 1027	59Z176-C01-K
	L	carmine red	sim. 3002	59Z176-C01-L
	M	pastel orange	sim. 2003	59Z176-C01-M
	N	pastel green	sim. 6019	59Z176-C01-N
	Z	waterblue	sim. 5021	59Z176-C01-Z

Change History

Rev.	Date	Change
d00	25.09.17	Added applicable for connector 59S16A-1xx**
e00	13.08.21	Note (**) updated
f00	22.03.23	Changed 250 pcs in box 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
M. Henning	21.04.15	F. Danzl	22.03.23	f00	23-0423	S. Guggenberger	22.03.23
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