



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:	59S100-1xx **, 59S16A-1xx** (d)
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 (e)

**Packing**

Standard***	2000 pcs in box (f)
Weight	1.6 g/pce

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