



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  $\geq 25$   
Retention force latch  $\geq 110$  N  
Retention force primary lock  $\geq 80$  N  
Retention force secondary lock  $\geq 60$  N  
Coding efficiency  $\geq 40$  N

(b)

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**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)

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