



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 ≥ 25
Retention force latch ≥ 110 N
Retention force primary lock ≥ 80 N
Retention force secondary lock ≥ 60 N
Coding efficiency ≥ 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)