

Coupling connectors

Sicma

24 way sealed coupling housings for 1.5 + 2.8 mm terminals

Features

- High density connector system using 6 x [2.8 mm] and 18 x [1.5 mm] terminals
- 3 rows 5 x 5 mm pitch
- Circumferential interface seal on female housing
- Rear sealing by a pre-mounted mat-seal
- Pre-assembled front grids support blade terminal guiding and mating
- Terminal position assurance (T.P.A.)
- Easy locking cam
- Mechanical polarization
- Several colour codings available
- 2 locking cam positions possible



Performance characteristics

- Temperature range: from -40°C to +125°C
- Contact retention force: > 65 N for 1.5 mm terminals > 80 N for 2.8 mm terminals
- Contact insertion force: < 12 N for 1.5 mm terminals < 15 N for 2.8 mm terminals
- Connector mating force: < 70 N
- Sealing protection: IP 68
- Acceptable wire range: from 0.35 mm² to 4 mm²

Construction

- Housing material: PBT
- Interfacial seal: Silicone
- Grommet seal: Silicone

Tooling

- T.P.A. removal tool: 210S040
- Terminal removal tool
 - Female terminal: 210S048
 - Male terminal: 210S049

Connector compatibility

- Usable terminals:
 - Sicma-2 1.5 mm female terminals
 - Sicma-2 1.5 mm male terminals
 - Sicma-2 2.8 mm female terminals
 - Sicma-2 2.8 mm male terminals
 - Sicma-3 1.5 mm female terminals
 - Sicma-3 1.5 mm male terminals
 - Sicma-3 2.8 mm female terminals
 - Sicma-3 2.8 mm male terminals
- Other applications: see chapter 5 and 7

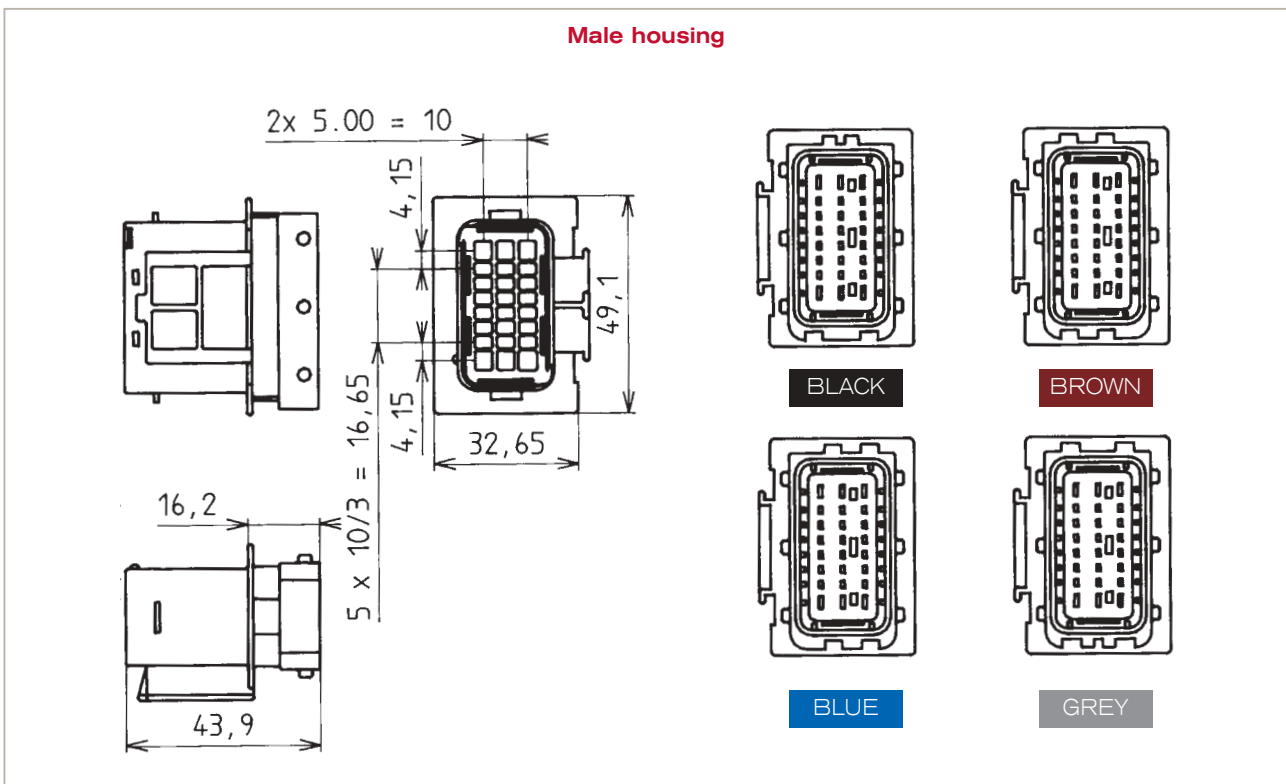
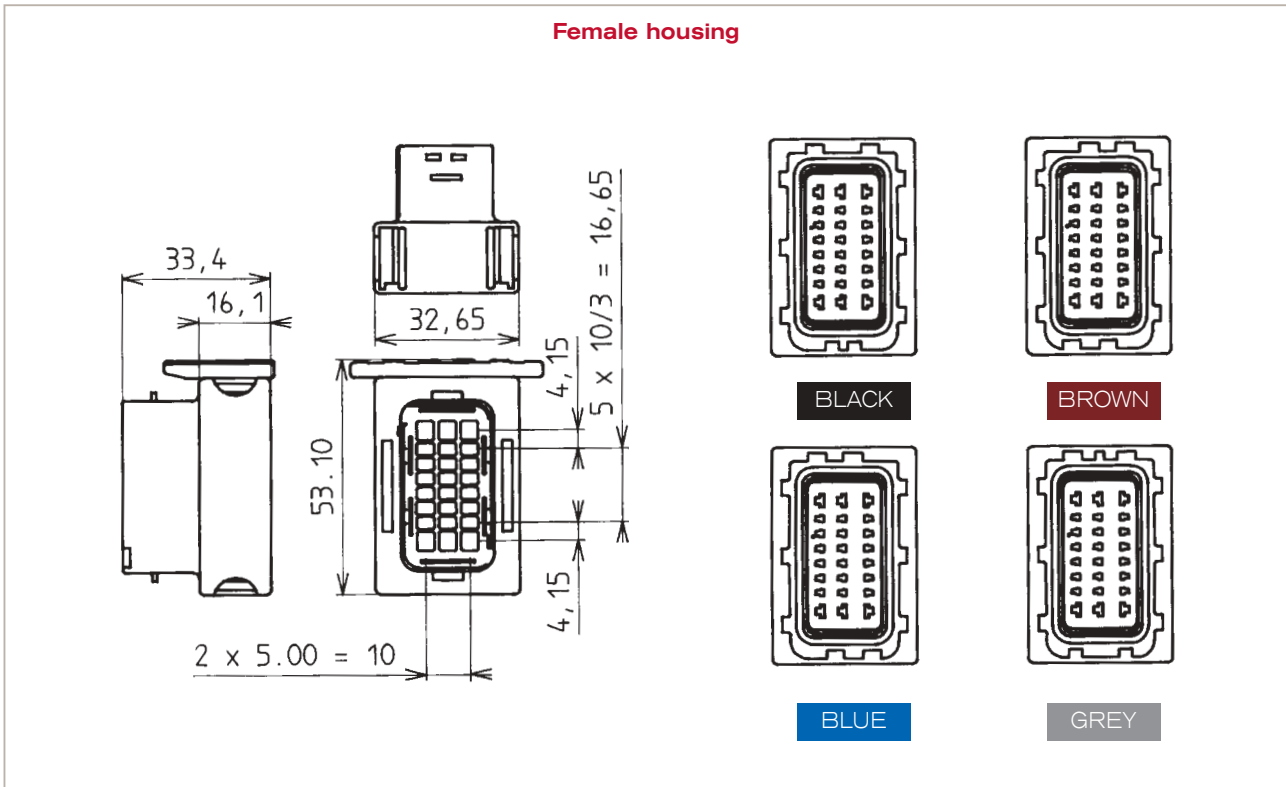
Part Numbers	No. of position	Terminal size	Type	Colour
211 PC249S0005	24	18 x [1.5 mm] + 6 x [2.8 mm]	Female housing	Black
211 PC249S1005	24	18 x [1.5 mm] + 6 x [2.8 mm]	Female housing	Brown
211 PC249S8005	24	18 x [1.5 mm] + 6 x [2.8 mm]	Female housing	Grey
211 PC249S6005	24	18 x [1.5 mm] + 6 x [2.8 mm]	Female housing	Blue
211 PL249S0005	24	18 x [1.5 mm] + 6 x [2.8 mm]	Male housing	Black
211 PL249S1005	24	18 x [1.5 mm] + 6 x [2.8 mm]	Male housing	Brown
211 PL249S8005	24	18 x [1.5 mm] + 6 x [2.8 mm]	Male housing	Grey
211 PL249S6005	24	18 x [1.5 mm] + 6 x [2.8 mm]	Male housing	Blue
211 A 247 001			Locking cam	Purple

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Dimensional characteristics



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211A247001

Locking cam for 24 way coupling Female housing

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Specifications

General Physical Environmental Other Features

General	
Application	Wire to Wire
Product Type	Housing
Family	Wire to Wire
Features	Accesory as locking cam for 24 way sealed coupling Female housing 211PC249S*005
Hybrid	Yes
Sealed	Yes
Physical	
Color	Purple

Material	PBT
Temperature (Range)	-40°C to+125°C
Environmental	
IMDS	Yes
Other Features	
Type	Accessories
Disclaimer	Displayed data is for information purposes only. For more information, please contact your local sales office. The supply of some products might be limited to some customers.