



Product Applications

# Panel-through connectors

Sicma



Terminal System Overview



Housing Overview

## 26/29 way sealed system for 0.64 + 1.5 + 2.8 mm terminals

### Features

- High density connector using 0.64, 1.5 and 2.8 mm terminals
- Splash proof connector when equipped with a rubber boot
- Female housing filled with a silicone interface seal
- Male housing equipped with a panel seal and two integrated harpoons for easy pre-locking on panel
- Male housing incorporates a mobile grid to support blade terminals guiding and mating
- Terminal position assurance (T.P.A.)
- Protected locking cam on female housing
- Particularity suitable for door connection
- Shorting clip version available



### Performance characteristics

- Temperature range: from -40° C to +100° C
- Contact retention force:
  - > 80 N for 0.64 mm terminals
  - > 100 N for 1.5 mm terminals
  - > 120 N for 2.8 mm terminals
- Contact insertion force:
  - < 5 N for 0.64 mm terminals
  - < 5 N for 1.5 mm terminals
  - < 7 N for 2.8 mm terminals
- Connector mating force: < 60 N
- Sealing protection: IP64

### Construction

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

### Tooling

- Removal tool for female terminals:
  - 1.5 & 2.8 x 0.8 mm: 211S015
  - 0.64 mm: 211S035
- Unlocking tool for female terminals unit grid: 211S034
- Removal tool for male terminals:
  - 1.5 & 2.8 x 0.8 mm: 211S016
  - 0.64 mm: 211S031
- Unlocking tool for male terminals unit locking and protective grids: 211S036

### Connector compatibility

- Usable terminals:
  - Micro Sicma 0.64 mm female terminals
  - Micro Sicma 0.64 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

### Overview of SICMA housings

Part Numbers	No. of position	Terminal size	Type	Shorting clip	Colour
211 PC299S0043	29	21 x [0.635 mm] + 4 x [1.5 mm] + 4 x [2.8 mm]	Female housing	Yes	Black
211 PC299S0042	29	21 x [0.635 mm] + 4 x [1.5 mm] + 4 x [2.8 mm]	Female housing	No	Black
211 PL299S0042	29	21 x [0.635 mm] + 4 x [1.5 mm] + 4 x [2.8 mm]	Male housing	-	Black
211 PC269S0046	26	18 x [0.635 mm] + 4 x [1.5 mm] + 4 x [2.8 mm]	Female housing	-	Black



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