



Flying Probes

FL10030S060L150E21M

Item number 1033270

#### General

|                       |                     |
|-----------------------|---------------------|
| Design                | Basic Contact Probe |
| Type/family           | FL100               |
| Pitch (mm/mil)        | 2,54 / 100          |
| Temperature [C°]      | -45°C...+100°C      |
| Additional definition | E212                |

#### Electrical specifications

|                                   |       |
|-----------------------------------|-------|
| Continuous current (A)            | 5.00  |
| Typical contact resistance (mOhm) | 25.00 |

#### Mechanical specifications

|                            |        |
|----------------------------|--------|
| Preload (cN)               | 60.00  |
| Spring force (cN)          | 150.00 |
| Nominal travel (mm)        | 4.30   |
| Maximum travel (mm)        | 6.40   |
| Pointing accuracy +/- (mm) | 0.08   |
| Thread                     | M1,6   |
| Tool size (mm)             | 1,7    |

#### Dimensions

|                         |       |
|-------------------------|-------|
| Total length (mm)       | 47.50 |
| Projection height (mm)  | 21.40 |
| Tip style diameter (mm) | 0.60  |
| Barrel diameter (mm)    | 1.65  |
| Collar diameter (mm)    | 2.30  |

#### Family drawing

All measurements are in mm.

#### Materials & surfaces

|                    |               |
|--------------------|---------------|
| Tip style          | 30            |
| Tip style material | Pinion steel  |
| Tip style plating  | Longtime Gold |
| Plunger material   | Pinion Steel  |
| Plunger plating    | Longtime Gold |
| Barrel material    | Brass         |
| Barrel plating     | Gold          |
| Spring material    | Spring steel  |
| Spring plating     | Gold          |