AMP MONO-SHAPE Single Way Connector

Single Way Connector

1 All Single Way Connectors are supplied in “stick-form” by 6 single ways each. They will be cut from the Application Tooling Machines

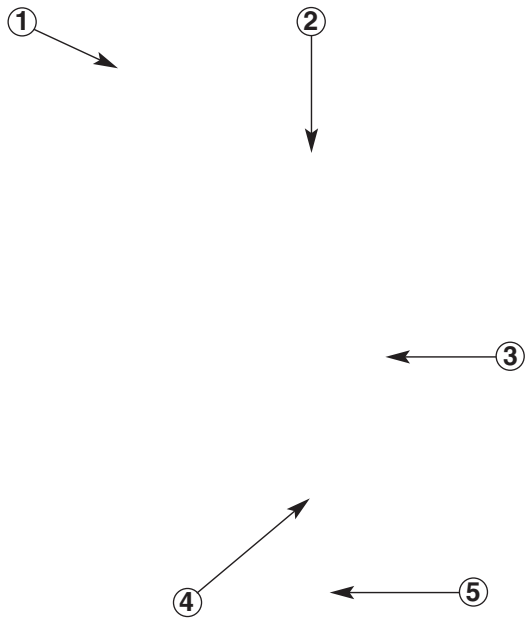
2 Cover closed after Wire Insertion. Wire Direction 90°. 180° when locked in Cover Recess

3 Polarisation similar to the keying of the front side

4 Keying

5 Plastic Noses which Lock into the TAB Hole

6 Colour Marking



Technical Features

Centerline:
5.0 mm, according to RAST 5 specifications

Configurations:
1 position

Housing Material:
Plastic PA 6.6

Housing Colour:
Natural colour

Contact Material:
Copper alloy, post-tinned 2.0 µm min.

Polarisation, Keying, Locking Latches:
according to RAST 5 specifications
(see customer drawings)

Track Resistance:
as per IEC 112 (250 V)

Glow Wire Test:
as per IEC 695-2-1 (850 °C) and 750°C no flame

Air and Creepage Distance:
according to EN 60998-1 (IEC 998-1) for 380 V, ≥4.0 mm

Voltage Resistance:
according to EN 60998-1 (IEC 998-1) 1750 V for 4 minutes

Insulation Resistance:
according to EN 60998-1 (IEC 998-1) >5 MΩ

Wire Size Range:
from 0.5 to 1.5 mm^2

Current Rating:
16 A max. according to wire size
0.5 mm^2 ≤3 A, 0.75 mm^2 ≤6 A, 1.0 mm^2 ≤10 A, 1.5 mm^2 ≤16 A

Rated Voltage:
380 Volts max.

Wire Type:
H05V-K (70 °C max.)
or FR 3/2 (105 °C max.)
for 0.5–1.0 mm^2 wires with copper or tinned stranded wires

H07V-K (70 °C max.)
or FR 3/2 (105 °C max.)
for wires from 1.5mm^2 with copper or tinned stranded wires

Insulation Type:
PVC suitable for temperatures up to 70 °C / 105 °C

Insulation Diameter Range:
2.0–3.5 mm

Temperature Range:
–25 °C up to +105 °C

Wire Extraction Force/Way:
50 N min. on wire size 0.5 mm^2

Application Specification:
114-20017

Product Specification:
108-20066

Homologations:
acc.to VDE File No. 3905 (to 16 A) and UL File No. E28476 (to 14 A)

Counter Part:
Tab 6.3 x 0.8 mm
as per DIN 46244 norms

Materials:
Copper alloy

Finishing:
Tinned (6.0 µm max.)