AMP MONO-SHAPE PCB (Printed Circuit Board) Connector

PCB Connector

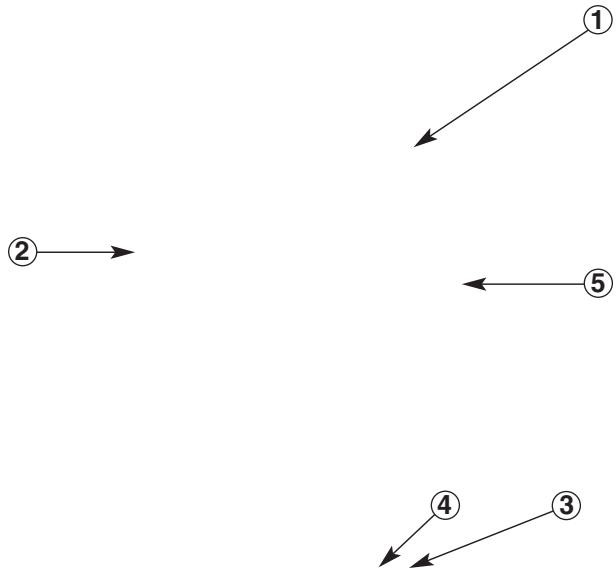
1 Cover closed after Wire Insertion. Wire Direction 90°. 180° when locked in Cover Recess

2 Cavity Numbers

3 Keying Slot in PC Board

4 Locking Hole in PC Board

5 Colour Marking



Technical Features

Centerline:
5.0 mm

Configurations:
2-12 positions

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 240 V, ≥3.0 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 0.75 mm^2

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

Rated Voltage:
220 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:
2.0–2.8 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:
114-20025

Product Specification:
108-20067

Homologations:
acc.to VDE File No. 3905 (to 6 A) and UL File No. E28476 (to 6 A)

Printed Circuit Board:
Thickness $1.5^{\pm 0.2}$mm

Tinned Circuit Paths:
5.0mm pitch and width of 1.8mm