TECHNICAL DATA SHEET

PMAFIX IP68 - BVAV-N - Fitting
45° elbow, NPT thread

Applications:
- For cable protection systems in a wide range of applications

Features & Benefits:
- Very high impact resistance
- Vibration-proof connection to PMA conduits
- Easy installation
- High conduit pull-out strength
- Very good chemical properties
- Fits both conduit profiles - fine (T) and coarse (G)

Ingress protection:
- IP66, IP68 & IP69 (EN/IEC 60529)
  - IP69, 100 bar with Water impact protection (WPS-ring)

Materials:
- High-grade, specially formulated polyamide 6

Compatible with:
- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits
- PMA Smart Line Conduits

Conforms to:
- EN 45545-2 HL3 (R23 & R23)
- NFPA 130
- UL 94 (V0)
- UL 1696 (UL file E80294)
- CSA C22.2 No. 227.3-05 (CSA file LL 88703)

Weathering resistance:
- Very good UV resistance and weathering characteristics, particularly in black

Colour:
- Black
- Grey

Chemical properties:
- Please refer to www.pma.ch
  (Technical Information / Chemical Resistance)

Environmental properties:
- Free from halogens and cadmium
- RoHS and REACH compliant
<table>
<thead>
<tr>
<th>Part no.</th>
<th>Thread size</th>
<th>Conduit size</th>
<th>Dimensions in mm (nom.)</th>
<th>Weight</th>
<th>Packing unit</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>black</td>
<td>grey</td>
<td>NPT</td>
<td>NW</td>
<td>g  d2  A  B  C</td>
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<tr>
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<td>18.0</td>
<td>66.0  99.0  100.5 67.0</td>
</tr>
</tbody>
</table>

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time.

Neue Dimensionen gem. Email Roger Hüppi 26.09.2018
Mechanical Properties:
- Tensile modulus: 1'200 ... 3'700 N/mm² (ISO 527)
- Tensile strength: 45 ... 65 N/mm² (ISO 527)
- Notched bar impact test: 4 ... 20 kJ/m² (ISO 180/1C)

Vibration and shock standard: Cat. 2 (IEC 61373, IEC 60068-2-27 / -64)

Thermal properties:
- Continuous application temperature: -50 ... + 105 °C (PMA DO 9.21-4510)
- Upper application temperature: +120 °C (20,000 h) (PMA DO 9.21-4360)
- Short-term: +160 °C (168 h) (PMA DO 9.21-4360)

Fire safety properties:
- Fire performance: non flame-propagating (IEC EN 61386-1)
- Flame class: V0 (UL 94)
- Oxygen index: >32 % (EN ISO 4589-2)
- Smoke density: <150 Ds max. (EN ISO 5659-2 (25 kW/m²))
- Toxicity: <0.75 CIT_{HLP} (NF X 70-100-1/-2: (600°C))

Fire performance NFPA 130:
- Flammability: compliant (ASTM E 162)
- Smoke density: compliant (ASTM E 662)
- Heat and visible smoke: 26.00 MJ/kg (ASTM E 1354)
- Smoke emission toxicity: compliant (Bombardier SMP 800-C)
- Smoke emission toxicity: compliant (Boeing BSS 7239)

Assembly instructions:
- Please consider the appropriate assembly instructions on www.pma.ch

Content of delivery:
- Fitting with conduit locking clip (OVN2)
- Conduit gasket (NVN3)
- Thread gasket (SVN4)

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