Properties

- Suitable for all ARTIS monitoring systems
- Acoustic emission sensor for detecting breakage of shank-tools and for monitoring of dressing processes
- Especially suitable for small shank-tools (e.g. gun drills)
- Ideal choice for use in multi-spindle drilling heads
- Degree of protection IP66/IPx7, resistant to cooling lubricants

Application example:
AE-C and KU-4 with the CTM Tool and Process Monitoring System

Application example:
AE-C and AM-01 with the GENIOR MODULAR Tool and Process Monitoring System
**ARTICLE NUMBER**

<table>
<thead>
<tr>
<th>CODE</th>
<th>O3PZ111100x (x = see variants)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VARIANTS</strong></td>
<td></td>
</tr>
<tr>
<td>AE-C, 10 M CABLE</td>
<td>03PZ1111001</td>
</tr>
<tr>
<td>AE-C, 15 M CABLE</td>
<td>03PZ1111005</td>
</tr>
<tr>
<td>AE-C, 25 M CABLE</td>
<td>03PZ1111008</td>
</tr>
</tbody>
</table>

**VOLTAGE SUPPLY**

via measuring transducer (KU-4 or AM-01)

**FREQUENCY RANGE**

10 to 400 kHz

**OVERLOAD SHOCK**

10,000 g (Peak)

**CONFORMITY**

CE

**DIMENSIONS**

see drawing

**WEIGHT**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AE-C, 10 M CABLE</td>
<td>0.482 kg</td>
</tr>
<tr>
<td>AE-C, 15 M CABLE</td>
<td>0.701 kg</td>
</tr>
<tr>
<td>AE-C, 25 M CABLE</td>
<td>1.140 kg</td>
</tr>
</tbody>
</table>

**MATERIAL**

Chromium nickel steel, cast

**OPERATING TEMPERATURE**

0 °C ... +60 °C

**DEGREE OF PROTECTION**

IP66/IPx7 resistant to cooling lubricants

**CABLE LENGTHS**

see variants

**CONTACTING**

screw connection M5

**PU CABLE**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAMETER</td>
<td>6 mm</td>
</tr>
<tr>
<td>CONDUCTOR SIZE</td>
<td>AWG 26</td>
</tr>
<tr>
<td>BENDING RADIUS</td>
<td>7.5 x cable diameter</td>
</tr>
<tr>
<td>WIRE CONFIGURATION</td>
<td>conductor, fine wired according to VDE 0295</td>
</tr>
</tbody>
</table>

**CONFORMITY**

CE, UKCA

---

For a full list of address locations, please consult the Marposs official website.

 ODIN6405EN01 – Edition 04/2022 – Specifications are subject to modifications © Copyright 2010-2022 MARPOSS S.p.A. (Italy) – All rights reserved.

Marposs, and Marposs product names/signs mentioned or shown herein are registered trademarks or trademarks of Marposs in the United States and other countries. The rights, if any, of third parties on trademarks or registered trademarks mentioned in this publication are acknowledged to the respective owners.

Marposs has an integrated system for Company quality, environmental and safety management, with ISO 9001, ISO 14001 and OHSAS 18001 certification.