ADE-1F2 A with integral clamping module - for non-armoured cable

**Technical specification**

**Suitable for the following cable types:**
- Non-armoured cable
- Marine shipboard cable; Type P cable
- Tray cable

Integral clamping module provides 100% of cable clamping

**Operating temperature:**
-60°C to +140°C

**Material:**
Nickel-plated brass for superior corrosion resistance. 316L stainless steel, bronze and aluminum options available. It is recommended that a suitable lubricant is used on all threads of stainless steel and aluminum versions.

**Ingress protection (IP):**
IP66 / IP68 according to the method of attachment and the condition of the equipment area, see page 13.

**Certifications and compliances:**
ATEX certificate no: INERIS12ATEX0032X
Zones 1 and 2, Groups IIA, IIB and IIC Zones 21 and 22, Groups IIIA, IIIB and IIC
I2GD / Ex db IIC / Ex eb IIC / Ex tb IIIC
I3G Ex nRc IIC
IM2 / Ex db I / Ex eb I ; For mining applications
Brass or bronze: ADE sizes 8 to 17, 1” to 4” NPT, ISO 32 to 110 Stainless steel: ADE sizes 8 to 17, 3/8” to 4” NPT, ISO 16 to 110

IECEx certificate no: IECEx INE 12.0025X
Zones 1 and 2, Groups IIA, IIB and IIC Zones 21 and 22, Groups IIIA, IIIB and IIC
Ex db IIC / Ex eb IIC / Ex nRc IIC / Ex tb IIIC
Ex db I / Ex eb I ; For mining applications
Brass or bronze: ADE sizes 8 to 17, 1” to 4” NPT, ISO 32 to 110 Stainless steel: ADE sizes 8 to 17, 1” to 4” NPT, ISO 32 to 110

Other certificates:
CEPEL 05.0568X
CCoE P360379-1
KOSHA 2015-BO-0249 to 0256
NANIO TC-RU C-FR.B05.B.00888
NEPSI GYJ13.1082X
SABS MS/15-0314X

**UL certification:**
- **3DJN E310130 ; Class I, Zone 1*, AEx e II**
  ADE sizes 3 to 8, 1/2” to 1 1/4” NPT or ISO 20 to 40 with TC-ER-HL non-armoured cable up to 1” diameter.
- **3DJN E310130 Class I Zone 2*, AEx e II, Ex e II**
  ADE sizes 3 to 17, NPT 1/2” to 4” or ISO 20 to 110 with non-armoured cable types ITC, MV, PLTC, TC-ER, TC-ER-HL, TC.
- **3LRC E314047 Class I Zone 2*, AEx e II, Ex e II**
  ADE sizes 3 to 17, NPT 1/2” to 4” or ISO 20 to 110 with non-armoured marine cable.
*Can be used in Div.2 provided that the enclosure contains no components that produce arcs or sparks.

**Features and benefits**

1. Specifically formulated elastomer for IP sealing on outer sheath of cable.
2. Integrated external cable clamping for strain relief.
ADE-1F2 A with integral clamping module - order codes and dimensions

**Dimensions**

```
<table>
<thead>
<tr>
<th>SERIES</th>
<th>THREAD SIZE</th>
<th>CABLE SEALING RANGE</th>
<th>MATERIAL</th>
<th>OPTION</th>
</tr>
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<tbody>
<tr>
<td>ADE1A</td>
<td>M25</td>
<td>3</td>
<td>NPN</td>
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</table>
```

**Codes**

```
| K1     | Accessories kit 1 |
| K2     | Accessories kit 2 |
| K3     | Accessories kit 3 |
| BLANK  | No option         |
```

**Kit Options**

```
K1  Kit 1 contents:
    • Locknut
    • Green composite washer
    Kit 2 contents:
    • Locknut
    • Green composite washer
    • Earth tag
    • Shroud
    Kit 3 contents:
    • Locknut
    • Green composite washer
    • Earth tag
    • Shroud
```

**Selection Table**

```
<table>
<thead>
<tr>
<th>SERIES</th>
<th>THREAD SIZE</th>
<th>THREAD SIZE CODE</th>
<th>THREAD SIZE</th>
<th>THREAD SIZE CODE</th>
<th>CABLE SEALING RANGE</th>
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<tr>
<td>ADE1A</td>
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<td>M18</td>
<td>-</td>
<td>-</td>
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<td>M20</td>
<td>1/2</td>
<td>N050</td>
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<td>M20</td>
<td>1/2</td>
<td>N050</td>
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**Dimensions**

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<tr>
<th>CABLE SEALING RANGE ISO/(NPT)</th>
<th>OUTER SHEATH MIN - MAX</th>
<th>A</th>
<th>B</th>
<th>L (LENGTH)</th>
<th>ADE GLAND SIZE</th>
<th>CATALOG NUMBER ISO</th>
<th>CATALOG NUMBER NPT</th>
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* Not UL certified. All dimensions in mm. Above catalog numbers are for nickel-plated brass; refer to order code diagram for other options.

For Group I certification, see page 80.