### Environmental Specifications
- Sealing: IP68
- Vibration Resistance: 10 - 500 Hz / 10g
- Operating temperature: -40°C to +75°C

### Materials
- Case: aluminium, anodized
- Multi-wire leads section 0.22mm² length 300mm, twisted by pair
- Cable length 300mm, section depends on switch model
- PC terminals: bronze, tin plated

### Electrical and general specifications
- Max. current / voltage rating: 1A 24VAC/DC or 200mA 24VAC/DC - depending on version
- Switch resistance: 1P flat operator, height 1.0mm
- Operating force: 2 to 6N
- Life expectancy: 50 million cycles
- LED Consumption: dot: 10mA ring: 20mA

### Code
- DIWO-PS xx xx 10Y ♦ 1 Δ ▲

#### Colours / Materials
- NT: Natural anodized
- BU: Blue anodized
- BK: Black anodized
- GD: Gold anodized
- RD: Red anodized
- SS: Stainless Steel

#### Δ LED Colour
- R: Red
- G: Green
- Y: Yellow
- O: Orange
- B: Blue
- W: White

#### ♦ Lamp Voltage
- 05: 5 VDC
- 12: 12 VDC
- 24: 24 VDC
- T: Thin ring
- L: Large ring
- D: Dot

### Finger pressure applied to switch
- 1 = pressure
- 0 = no pressure

### Output
- Momentary NO (pulse)
- No external power supply required

### Wiring diagrams
- Momentary NO
  - Non-illuminated
  - 1 LED*

---

All product data is based exclusively on information supplied by our manufacturer. No technical properties are warranted without specific agreement from N&H Technology in writing. Technical properties are subject to change without notice.
PS Series

Piezoelectric switch Ø16

**DIWO-PS165P10Y♦1**
- flat
- non-illuminated
- operator height 4.5mm

**DIWO-PS165Z10Y♦1**
- with finger location
- non-illuminated
- operator height 4.5mm

**DIWO-PS161P10Y♦1**
- flat
- non-illuminated
- operator height 1mm

**DIWO-PS165P10Y♦1▲▲**
- flat
- standard illuminated ring
- operator height 4.5mm

**Colours / Materials**
- ▲ NT Natural anodized
- ▲ BU Blue anodized
- ▲ BK Black anodized
- ▲ GD Gold anodized
- ▲ RD Red anodized
- ▲ SS Stainless Steel

**LED Colour**
- ▲ R Red
- ▲ G Green
- ▲ Y Yellow
- ▲ O Orange
- ▲ B Blue
- ▲ W White

**Lamp Voltage**
- ▲ 05 Standard ring - 5 VDC
- ▲ 12 Standard ring - 12 VDC
- ▲ 24 Standard ring - 24 VDC

All product data is based exclusively on information supplied by our manufacturer. No technical properties are warranted without specific agreement from N&H Technology in writing. Technical properties are subject to change without notice.
**PS Series**

**Piezoelectric switch Ø19**

**DIWO-PS193P10Y♦1**
- flat
- non-illuminated
- operator height 3mm

**DIWO-PS193Z10Y♦1**
- with finger location
- non-illuminated
- operator height 3mm

**DIWO-PS193P10Y♦1Δ▲T**
- flat
- thin illuminated ring
- operator height 3mm

**DIWO-PS193P10Y♦1Δ▲L**
- flat
- large illuminated ring
- operator height 3mm

<table>
<thead>
<tr>
<th>♦ Colours / Materials</th>
<th>△ LED Colour</th>
<th>△ Lamp Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT Natural anodized</td>
<td>R Red</td>
<td>05T thin ring - 5 VDC</td>
</tr>
<tr>
<td>BU Blue anodized</td>
<td>G Green</td>
<td>12T thin ring - 12 VDC</td>
</tr>
<tr>
<td>BK Black anodized</td>
<td>Y Yellow</td>
<td>24T thin ring - 24 VDC</td>
</tr>
<tr>
<td>GD Gold anodized</td>
<td>O Orange</td>
<td>05L large ring - 5 VDC</td>
</tr>
<tr>
<td>RD Red anodized</td>
<td>B Blue</td>
<td>12L large ring - 12 VDC</td>
</tr>
<tr>
<td>SS Stainless Steel</td>
<td>W White</td>
<td>24L large ring - 24 VDC</td>
</tr>
</tbody>
</table>

All product data is based exclusively on information supplied by our manufacturer. No technical properties are warranted without specific agreement from N&H Technology in writing. Technical properties are subject to change without notice.
**PS Series**

**Piezoelectric switch Ø22**

**DIWO-PS223P10Y♦1**
- flat
- non-illuminated
- operator height 3mm

**DIWO-PS223Z10Y♦1**
- with finger location
- non-illuminated
- operator height 3mm

**DIWO-PS223P10Y♦1Δ▲T**
- flat
- thin illuminated ring
- operator height 3mm

**DIWO-PS225P10Y♦1Δ▲L**
- flat
- large illuminated ring
- operator height 4.5mm

**Colours / Materials**
- NT Natural anodized
- BU Blue anodized
- BK Black anodized
- GD Gold anodized
- RD Red anodized
- SS Stainless Steel

**LED Colour**
- R Red
- G Green
- Y Yellow
- O Orange
- B Blue
- W White

**Lamp Voltage**
- 05T thin ring - 5 VDC
- 12T thin ring - 12 VDC
- 24T thin ring - 24 VDC
- 05L large ring - 5 VDC
- 12L large ring - 12 VDC
- 24L large ring - 24 VDC

All product data is based exclusively on information supplied by our manufacturer. No technical properties are warranted without specific agreement from N&H Technology in writing. Technical properties are subject to change without notice.
PS Series

PIEZO Electric switch Ø22

DIWO-PS223P10Y♦1Δ▲D
flat illuminated dot operator height 3mm

DIWO-PS223Z10Y♦1Δ▲D
with finger location illuminated dot operator height 3mm

♦ Colours / Materials
NT Natural anodized
BU Blue anodized
BK Black anodized
GD Gold anodized
RD Red anodized
SS Stainless Steel

△ LED Colour
R Red
G Green
Y Yellow
O Orange
B Blue
W White

▲ Lamp Voltage
05D dot - 5 VDC
12D dot - 12 VDC
24D dot - 24 VDC

N&H Technology GmbH
Gießerallee 21 T. 02154 - 81 25 0 info@nh-technology.de
47877 Willich F. 02154 - 81 25 22 www.nh-technology.de

All product data is based exclusively on information supplied by our manufacturer. No technical properties are warranted without specific agreement from N&H Technology in writing. Technical properties are subject to change without notice.