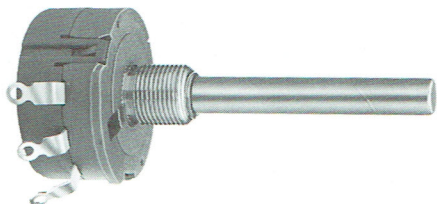


Series ABW 2

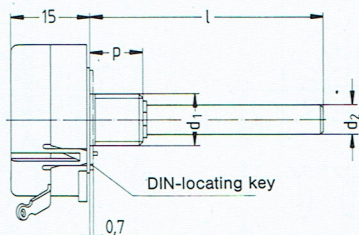
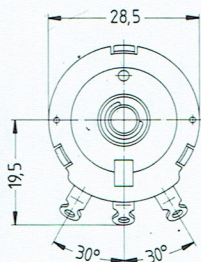
Type ABW 2 / N

Wirewound single turn rotary potentiometers

Basic design: encased, nominal width 28,5 mm,
wire tag terminations



Ordering code no. 31 1430....



locating key as type ABW 1, page 70

Electrical Specification

Rated resistance range: 1 Ω - 22 K Ω
 Law (resistance taper): lin, lg on request
 Tolerance of rated resistance: $\pm 10\%$, < 10 Ω $\pm 20\%$
 $\pm 5\%$, $\pm 2\%$ on request
 Rated dissipation: 2 W / 40°C
 Independent linearity: $\pm 2\%$, $\pm 1\%$ on request
 Limiting element voltage: 300 V
 Isolation voltage: 1 KV~
 Temperature range: -40°C to +90°C
 Insulation resistance: 1 G Ω
 Total electr. travel: 270° $\pm 5^\circ$

Mechanical Specification

Starting torque: 0,7 - 2,5 Ncm
 End stop torque: 100 Ncm
 Total mech. travel: 300° $\pm 5^\circ$
 Spindle: metal

| l | p | d ₂ | d ₁ |
|-------------------|-----------------|----------------|----------------|
| standard 50 mm | 5, 8 or 8 mm | 6 mm | M 10 x 75 |

Temperature coefficient and resolution

| Rated resistance | 10 Ω | 22 Ω | 47 Ω | 100 Ω | 220 Ω | 470 Ω | 1 k Ω | 2,2 k Ω | 4,7 k Ω | 10 k Ω | 22 k Ω |
|-------------------------------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|----------------|----------------|---------------|---------------|
| T.C. value, 10 ⁻⁶ /°C | +400 | +400 | +400 | +400 | +40 -80 | +40 -80 | +40 -80 | +40 -80 | +40 -80 | +140 | +140 |
| Resolution, % | 1 | 0,68 | 0,59 | 0,41 | 0,35 | 0,29 | 0,3 | 0,2 | 0,12 | 0,17 | 0,12 |

Technical details subject to change.



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