



## PRODUKTINFORMATION

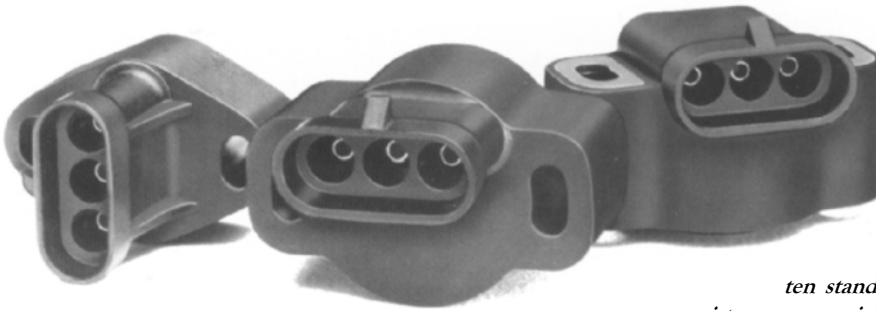
Vi reserverar oss mot fel samt förbehåller oss rätten till ändringar utan föregående meddelande

### ELFA artikelnr

<b>64-900-72</b>	<b>Trottelpot 9807</b>	<b>9807 R5K L2.0 + 9800-43-1</b>
<b>64-901-14</b>	<b>Trottelpot 9811</b>	<b>9811 R5K L2.0</b>
<b>64-901-71</b>	<b>Trottelpot 9831</b>	<b>9831 R5K L2.0</b>
<b>44-180-00</b>	<b>Kontakt 9807/9811</b>	<b>9800-650-2</b>

# 9800 series

# Rotary sensor 0-145 deg



The Duncan 9800 series sensor is designed for rugged, continuous under hood environments. Features include high temperature, stable materials; insert molded integral connector/body design to eliminate weak/stress points or leaks during engine wash-down or water exposure.

To meet a variety of mounting area needs and interconnection requirements, ten standard models are available. For engineering assistance or special configurations of the 9800 series to meet specific applications, contact Regal Components in Sweden.

### Electrical specifications:

Active electrical rotation ( $\pm 2^\circ$ ).....	85°
..... key drive.....	145°
Resistance (R $\pm 20\%$ ).....	5 K $\Omega$
Linearity over active rotation... Standard.....	$\pm 2\%$
..... Special.....	$\pm 0,5\%$
Power rating at 70°C.....	0,15 W
Max supply voltage.....	25 V
Recommended input impedance.....	100 x R

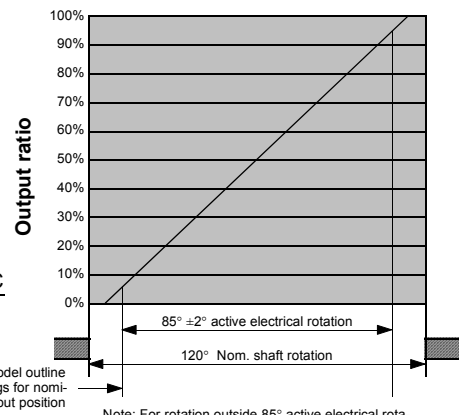
### Environmental specifications:

Temperature range.....	-40°C - +135°C
Vibration.....	15 Gs, 50 to 1000 Hz, 2 Hrs, each plane
Humidity.....	95 % @ 38°C
Shock.....	50 Gs

### Mechanical specifications:

Mechanical rotation (nominal).....	120°
..... key drive option.....	180°
Mechanical life.....	Up to 5 000 000 Cycles
Stop strength.....	0,68 Nm max
Torque.....	0,11 Nm max
Mounting torque.....	1,35 Nm max

**Note:** Custom drive-arm/actuator configurations available. Most specifications may be altered to meet specific requirements.



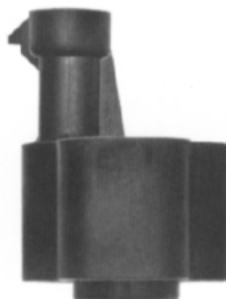
### Spring return orientation:

Spring returns slider to counter-clockwise end on CW sensors.  
Spring returns slider to clockwise end on CCW sensors.

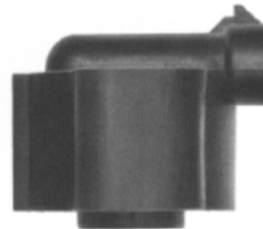
### Mating connector (9800-650-2)



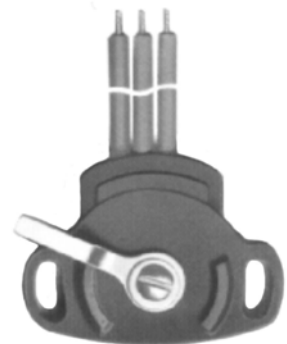
**9805-9808**  
Driving blade



**9805-9808**  
Offset connector style



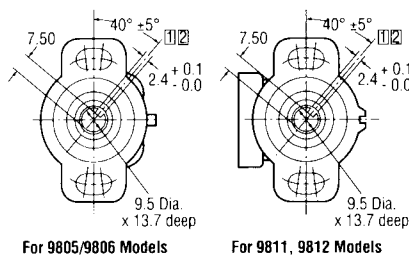
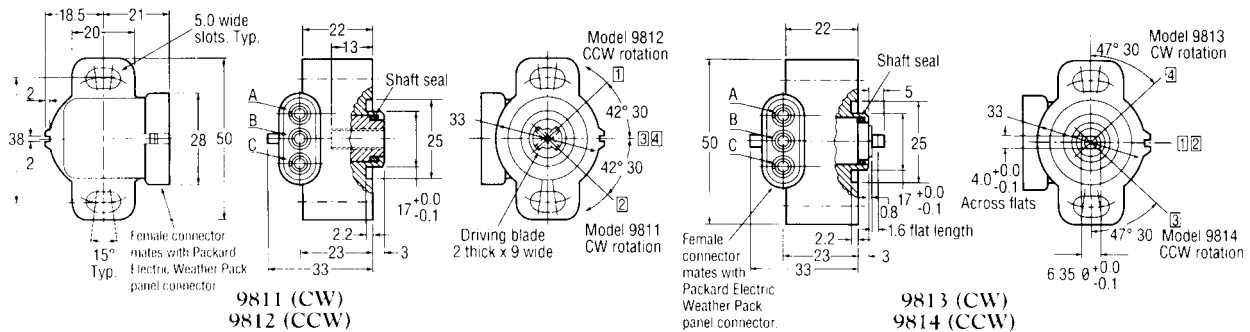
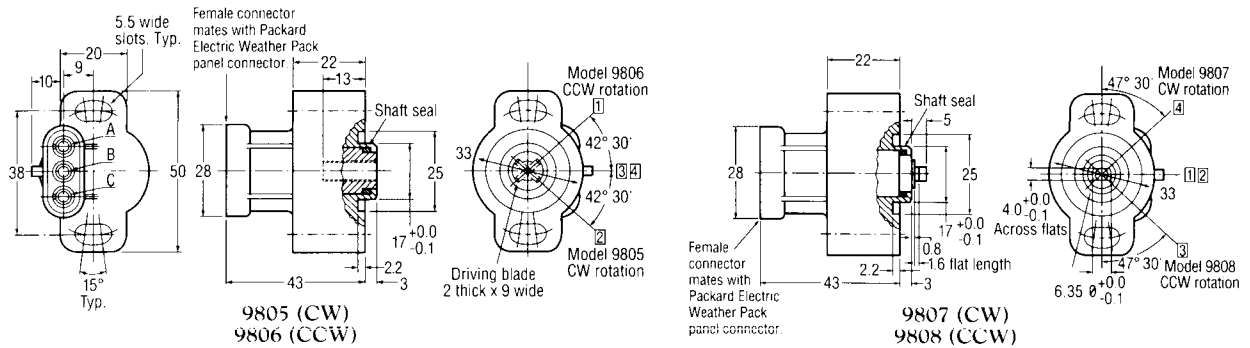
**9811-9814**  
90° connector style



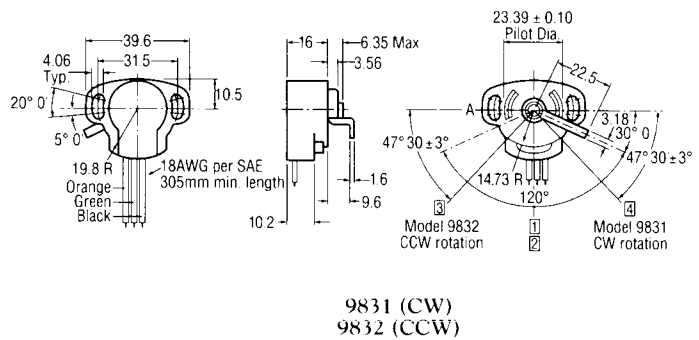
**9831-9832**  
leadwire style

E 01.06/1

## Drawings



**KEY DRIVE OPTIONS  
FOR MODELS 9805, 9806, 9811, 9812**



**Notes:**

- 1 Nominal Midpoint of Mechanical Rotation for CCW Rotation.
- 2 Nominal Midpoint of Mechanical Rotation for CW Rotation.
- 3 Nominal 10% Output Position for CCW Rotation.
- 4 Nominal 10% Output Position for CW Rotation.
- 5 Both Driving Blades and Shaft are Shown in Midpoint Position.
- 6 All Dimensions and Values Shown in Metric.

Tolerances unless otherwise specified: ± 0.8 mm

