

# PUSH WHEEL SWITCHES



## Series PW 86

### DESCRIPTION:

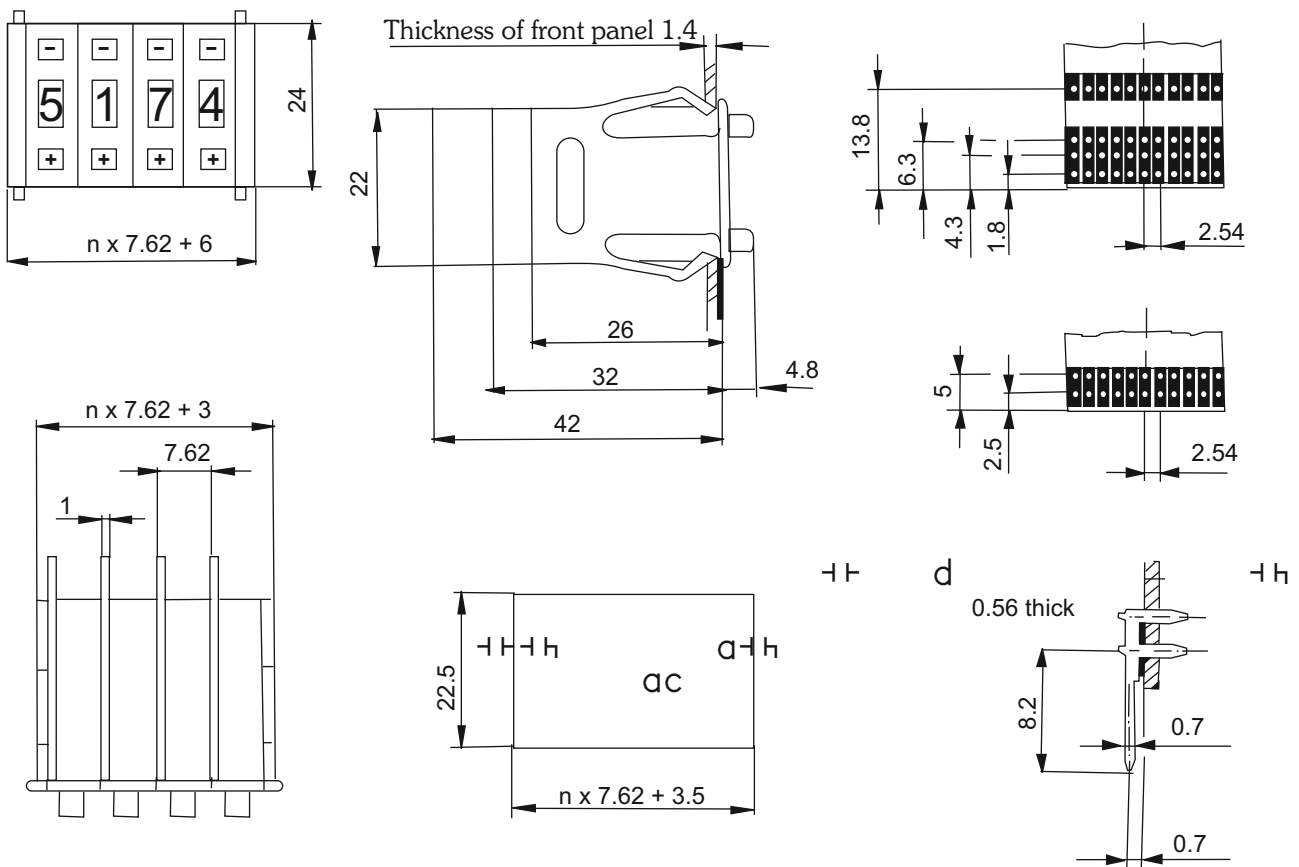
**Integral Type PW 86** series push wheel switches are easy to put together at customers' end since there is no hardware involved. It makes for a very compact switch with facility to reach any digit easily because of bidirectional rotation. The characters, hot stamped, are easily readable and the switch gives a crisp feel with each change of digit. The switches can be ordered either as complete assemblies or individual sections and sides separately.



### FEATURES

- Snap-in front mounting clicks into panel cutout
- Panel thickness between 1.0 to 4.0 mm
- Field or Factory assembly of switch sections possible
- Factory set wheel stops
- Hot stamped letters of large size for good visibility
- Dust protected
- No hardware required for assembling sections or the switch to the panel
- Switch available in black colour - wheels in different colours (consult factory)

### DIMENSIONAL DETAILS



All Dimensions in mm.

**SPECIFICATIONS**

CONTACT RATING : Switching 125 mA max.  
Carrying : 0.5 Amp continuous

OPERATING VOLTAGE : 50 mV to 28 V DC or 120V AC.

CONTACT RESISTANCE : Less than 150 milli ohms Initial @ 2-6 V DC, 100 mA.

INSULATION RESISTANCE : 1000 Megohms min.

DIELECTRIC STRENGTH : 500 V RMS min @ sea level

ELECTRICAL LIFE : 100,000 detent operations

OPERATING TEMP : -25°C to +70°C

NO. OF POSITIONS : 10 (stops available)

**MATERIALS & FINISHES**

BODY, WHEEL AND LEVER : Engineering Thermoplastics (Polycarbonate/ABS/Poly acetal)

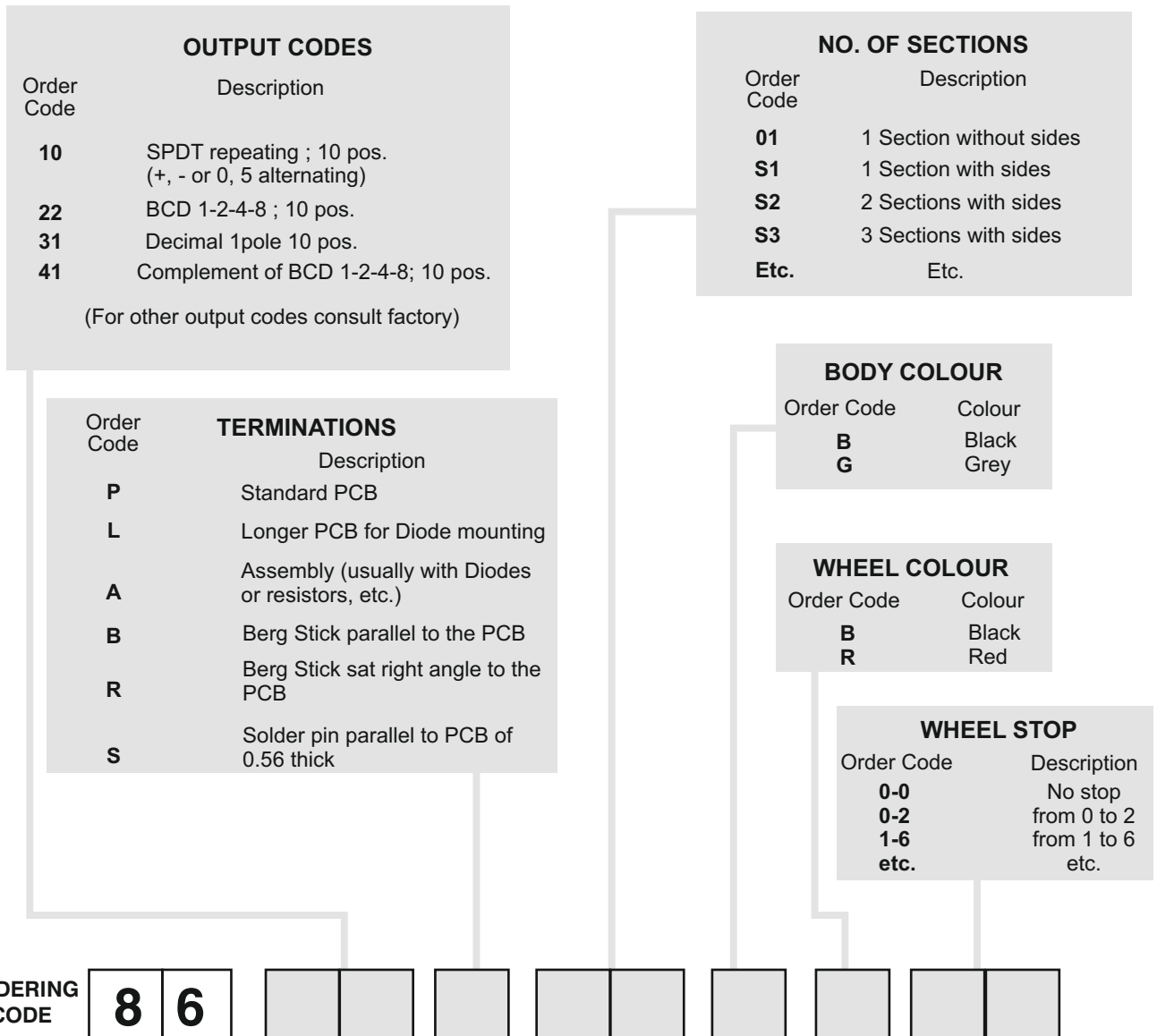
WIPER CONTACT : Hard Gold over Nickel on Copper Alloy

STATOR CONTACT : Hard Gold over Nickel over Copper on Glass Epoxy laminated sheet to Nema FR4.

HARDWARE : Steel /Zinc plated

SIZE OF CHARACTER ON THE WHEEL : 10 positions - 5 mm (Consult factory for non-standard printing).

**ORDERING INFORMATION :** Given below are the variations possible and the method of selecting them. In case only the Output Code (say 22) is specified the standard shall be (8622) a BCD code switch with a Black body, Black wheel without any stop, standard PCB with sides attached. Consult factory for any other variation not given below. If sides are ordered separately, the order code is 8600 to represent 1 pair of sides.



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