



INSTRUMENTATION

Danfoss KPS Series (KPS 76 – KPS 83)

BRAND

Danfoss

SKU

RC_PROD_015

CATEGORY

Instrumentation



OVERVIEW

KPS thermostats are the temperature-controlled members of the Danfoss heavy-duty KPS switch family. Contact position depends on the temperature at the sensor relative to the set scale value. Like the KPS pressure switches, they are built for a high level of enclosure, robust compact construction, and resistance to shock and vibration — suited to alarm and regulation systems in factories, diesel plants, power stations, and marine installations. Thermostats with bulb sensors are self-supporting from the sensor pocket, and a range of brass and stainless steel pockets is available to match the medium.

KEY FEATURES

Heavy-duty temperature switching
for industrial and marine environments

IP67 enclosure rating
to EN 60529 / IEC 60529

Die-cast aluminium housing
enamelled (GD-AISI 12); wire-sealable, anchored 4-screw
cover

Vibration stability
2–30 Hz at 1.1 mm amplitude; 30–300 Hz at 4 g

SPECIFICATIONS

PARAMETER	VALUE
FUNCTION	Temperature-controlled switch — contacts change over at set sensor temperature
EXAMPLE RANGE	KPS 80: 70 – 120 °C (other models cover adjacent ranges across the 76–83 series)
ENCLOSURE	IP67 to EN 60529 / IEC 60529