

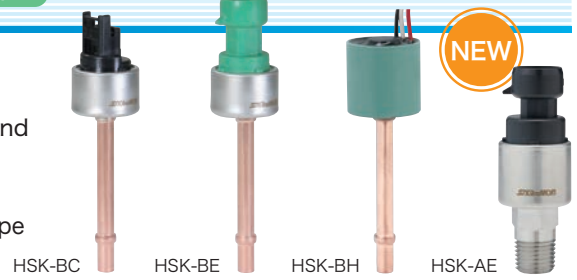
PRESSURE SENSORS

Type HSK

OEM

FEATURES

- Compact design that integrates the pressure detection circuit and signal conversion circuit into a single chip
- High accuracy of $\pm 1.0\%$ FS across a wide temperature range
- Two types available - ratiometric output type and current output type
- Current output type supports wiring up to 100m



COMMON SPECIFICATIONS

- Fluid temperature: -40 to 135°C
- Ambient temperature: -30 to 100°C (HSK-BC/BE)
 -30 to 85°C (HSK-BH)
 -40 to 100°C (HSK-AE)
- Load resistance: $10\text{k}\Omega$ or more (HSK-BC/BE/BH)
 $(V_{cc}-7)/0.02\text{A}$ Ω or less (HSK-AE)
- Enclosure: IP66
- Standards: CE, UL/cUL (Except for HSK-BH)

SPECIFICATIONS (Ratiometric output type: HSK-BC/BE/BH)

Catalog no.	Pressure range (MPa)	Output	Supply voltage	Accuracy	Electrical connector	Connection type	Wiring	Weight (kg)
HSK-BC150D-□□□	0 to 15.0	0.5 to 4.5V.DC	5±0.25V.DC	±1.0% F.S. (−20 to 120°C)	MOLEX (52117-0340)	1/4" Copper tube solder or ϕ 6mm Copper tube solder	Up to 3m	0.05 (Excluding lead wires)
HSK-BC100D-□□□	0 to 10.0				Aptiv (12065287)			
HSK-BC060D-□□□	0 to 6.0							
HSK-BE150D-□□□	0 to 15.0							
HSK-BE100D-□□□	0 to 10.0				Cable			
HSK-BE060D-□□□	0 to 6.0							
HSK-BH150D-□□□	0 to 15.0							
HSK-BH100D-□□□	0 to 10.0							
HSK-BH060D-□□□	0 to 6.0							

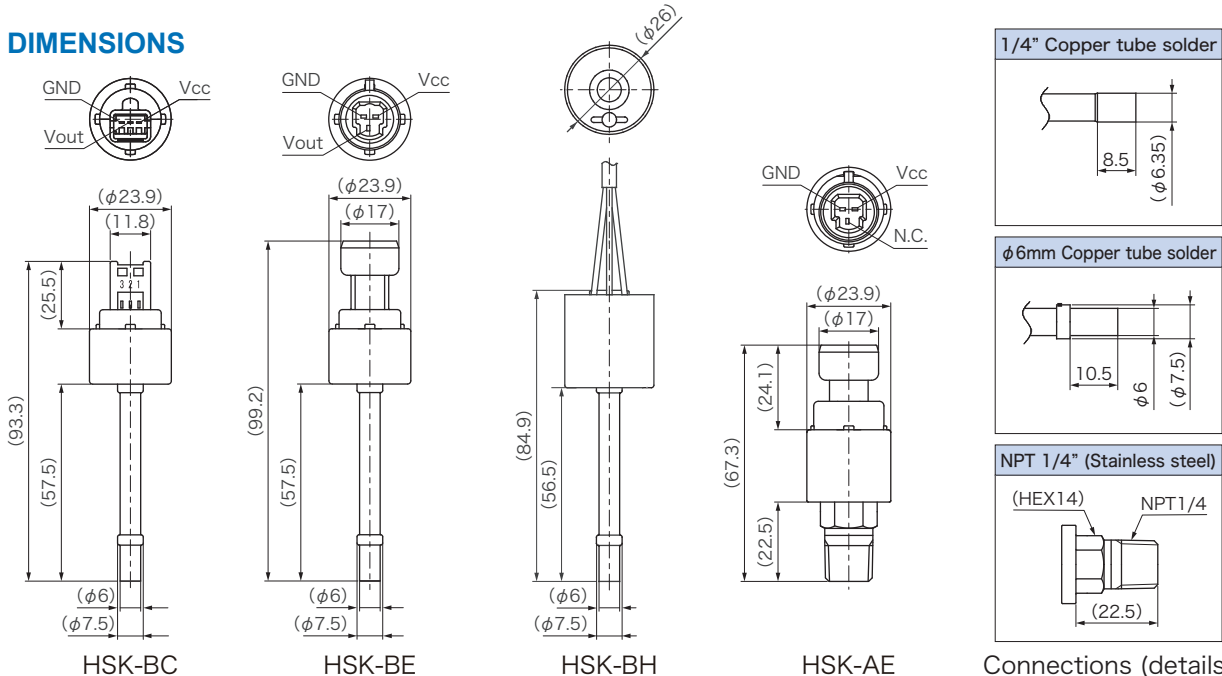
• The □□□ in the catalog number indicates the serial number.

SPECIFICATIONS (Current output type: HSK-AE)

Catalog no.	Pressure range (MPa)	Output	Supply voltage	Accuracy	Electrical connector	Connection type	Wiring	Weight (kg)
HSK-AEB15 ** -U05	0 to 15.0	4 to 20mA.DC	7 to 35V.DC	$\pm 1.0\%$ F.S. (-40 to 100°C)	Aptiv (12065287)	D1: 1/4" Copper tube solder D2: $\phi 6\text{mm}$ Copper tube solder N2: NPT 1/4" (Stainless steel)	Up to 100m	0.02 (Solder) 0.04 (NPT)
HSK-AEB10 ** -U05	0 to 10.0							
HSK-AEA60 ** -U05	0 to 6.0							

• The ** in the catalog number indicates the connection type symbol.

DIMENSIONS



Connections (details) Unit: mm