

DST P1xx OEM Pressure Sensor

- available sensor configuration options



FOR INTERNAL USE ONLY

Basic specs. - capabilities

- **Pressure reference:**
 - Absolute and Sealed-gauge (+ gauge >30 bar)
 - Vented gauge (relative)
- **Pressure Ranges:**
 - 0...4 bar to 0...50 bar
- **Operating temperature:**
 - -40 to 135°C* for ratiometric output & abs.voltage
 - -40 to 100°C for 4-20mA
- **Output versions:**
 - Ratio-metric (e.g. 10 to 90% of Vs)
 - 4 to 20mA
 - Q1 2020 Abs. voltage

*max operating temperature can also vary due to electrical connector temperature limitation



Electrical connectors



M12x1.0 AMPSEAL 16 Metri-Pack 150 Bayonet










Electrical connection type	Electrical connection standard	ID of pins present in connector	Keying code	Pin surface material	Pressure reference	Color of connector
AMPSEAL 16	None	1,2,3	3/C	Au	Absolute	Black
Metri-Pack 150.2 (Round)	None	A,B,C	NA	Sn	Absolute	Black
Bayonet	ISO15170	1,2,3		1Au	Absolute	Black
Bayonet	ISO15170	1,2,4		1Sn	Absolute	Black
Metri-Pack 150.2 (Round)	None	A,B,C	NA	Sn	Absolute	Green
Deutsch DT04-4P	None	1,2,3,4	NA	Au	Absolute	Black
M12 x 1.0	IEC60947-5-2(1997)	1,2,3,4	A	Au	Absolute	Black
M12 x 1.0	IEC60947-5-2(1997)	1,2,3	A	Au	Gauge	Black
Metri-Pack 150.2 (Round)	None	A,B,C	NA	Sn	Gauge	Black
Bayonet	ISO15170	1,2,4		1Sn	Gauge with venting membrane	Black

Pressure connections



Thread size	Thread standard	Internal/ External thread	Pressure connection standard	Sealing by
M14x1.5	ISO 261	External	ISO 6149-2	O-ring
7/16-20 UNF	ISO 263	Internal	SAE J513 45° flare	None
M10x1.5	ANSI B1.13M	External	None	O-ring
M16x1.5	ISO 261	External	ISO 6149-2	O-ring
1/8-27 NPT	ANSI B1.20.1	External	None	None
1/8-27 NPTF	ANSI B1.20.3	External	None	None
1/4-18 NPT	ANSI B1.20.1	External	None	None
1/4-18 NPTF	ANSI B1.20.3	External	None	None
M10x1.0	ISO 261	External	ISO 6149-2	O-ring
7/16-20 UNF	ISO 725	External	ISO 11926-2	O-ring
M12x1.5	ISO 261	External	ISO 6149-2	O-ring
G 1/4 A	ISO 228-1	External	ISO 1179-2	ED-sealing
Solder tube connection	Solder tube connection	External	For solder tube	Solder tube
M18x1.5	ISO 261	External	ISO 6149-2	O-ring
R 1/4	ISO 7-1	External	None	None
G 1/2 B	ISO 228-1	External	EN 837-1	None
1/2-14 NPT	ANSI B1.20.1	External	None	None
M12x1.0	ISO 261	External	Undercut as per BS 1936-2 for pitch of 1.0 mm	None
M10x1.25	ISO 261	Internal	None	None

Approvals/Certificates

	CE	link
	UL	Ratiometric (incl. Solder tube): Done, 4-20mA: applied – pending, abs.vol.: applied – pending
	UBA	Metal to metal pressure connection: Manufacturer's decl. → link For other pressure connection: not applied
	KTW	It has been replaced by UBA
	ACS	Metal to metal pressure connection: Manufacturer's decl. → link For other pressure connection: not applied
	NSF	Certificate in place for metal to metal pressure connection
	WRAS	Not applied
	REACH	Danfoss position on REACH → Link
	RoHS II	link
	EAC	Declaration of conformity → Link / in progress for std P110 marking
	ATEX Zone 2	In progress for P110



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