





Pressure sensor series DW04/06/08





Pressure sensor, Ø16mm 40long, 9-30V diagnostic coverage, hose connection, M8 plug connector 4-pin, IP68, plastic PBT/PC










InLine mounting





Thanks to the innovative push-in fluid connection, uncomplicated installation and quick integration into existing pneumatic systems is possible.





Article No.	DW044300	DW04430D	DW04430J	DW04430K
				
ardSOCA_Betriebsspannung	9-30VDC			
No-load current	25 mA			
Measuring range pressure	-1 - 0 bar	0 - 10 bar	-1 - 1 bar	-1 - 10 bar
Max. operating pressure	2 bar	15 bar	2 bar	15 bar
Measurement method	Relative			
For liquid media	No			
Type of process connection	Hose OD 4mm			
ardSOCA_Abmessungen	Ø16mm, 40mm long			
ardSOCA_ElektrischerAnschluss	M8 4-pin plug connector			
Display	LED display			
Setting procedure	Potentiometer (5 to 100%)			
Number of switching outputs	1			
Type of switching output	PNP			
Type of switching function	Normally open contact (NO)			
Relative hysteresis	5 %			
Short-circuit protection	Yes			
Reverse polarity protection	Yes			
Relative repeat accuracy	3 %			
Long-term drift per year	0.1 %			
Housing material	Plastic PBT and PC			
ardTEME_WerkstoffDerMesszelle	Silicon (piezoresistive)			
Ambient temperature	-10 - 60 °C			
Storage temperature	-20 - 85 °C			
Degree of protection (IP)	IP68			

Article No.	DW044600	DW04460D	DW04460J	DW04460K
				
ardSOCA_Betriebsspannung	9-30VDC			
No-load current	25 mA			
Measuring range pressure	-1 - 0 bar	0 - 10 bar	-1 - 1 bar	-1 - 10 bar
Max. operating pressure	2 bar	15 bar	2 bar	15 bar
Measurement method	Relative			
For liquid media	No			
Type of process connection	Hose OD 4mm			
ardSOCA_Abmessungen	Ø16mm, 40mm long			
ardSOCA_ElektrischerAnschluss	M8 4-pin plug connector			
Display	LED display			
Setting procedure	Parameterization via IO-Link			
Number of switching outputs	2			
Type of switching output	PNP			
Type of switching function	Normally closed contact/normally open contact			
Supported communication interface	IO-Link			
Short-circuit protection	Yes			
Reverse polarity protection	Yes			
Relative linearity deviation	0.5 %			
Relative repeat accuracy	0.2 %			
Long-term drift per year	0.1 %			
Temperature drift over entire measuring range	1.5 %			
Housing material	Plastic PBT and PC			
ardTEME_WerkstoffDerMesszelle	Silicon (piezoresistive)			
Ambient temperature	-10 - 60 °C			
Storage temperature	-20 - 85 °C			
Degree of protection (IP)	IP68			

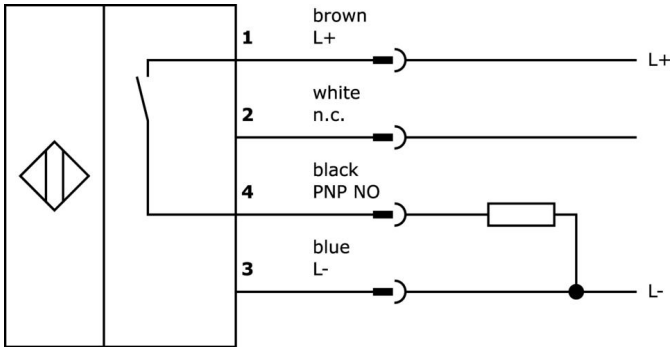
Article No.	DW064300	DW06430D	DW06430J	DW06430K
				
ardSOCA_Betriebsspannung	9-30VDC			
No-load current	25 mA			
Measuring range pressure	-1 - 0 bar	0 - 10 bar	-1 - 1 bar	-1 - 10 bar
Max. operating pressure	2 bar	15 bar	2 bar	15 bar
Measurement method	Relative			
For liquid media	No			
Type of process connection	Hose OD 6mm			
ardSOCA_Abmessungen	Ø16mm, 40mm long			
ardSOCA_ElektrischerAnschluss	M8 4-pin plug connector			
Display	LED display			
Setting procedure	Potentiometer (5 to 100%)			
Number of switching outputs	1			
Type of switching output	PNP			
Type of switching function	Normally open contact (NO)			
Relative hysteresis	5 %			
Short-circuit protection	Yes			
Reverse polarity protection	Yes			
Relative repeat accuracy	3 %			
Long-term drift per year	0.1 %			
Housing material	Plastic PBT and PC			
ardTEME_WerkstoffDerMesszelle	Silicon (piezoresistive)			
Ambient temperature	-10 - 60 °C			
Storage temperature	-20 - 85 °C			
Degree of protection (IP)	IP68			

Article No.	DW064600	DW06460D	DW06460J	DW06460K
				
ardSOCA_Betriebsspannung	9-30VDC			
No-load current	25 mA			
Measuring range pressure	-1 - 0 bar	0 - 10 bar	-1 - 1 bar	-1 - 10 bar
Max. operating pressure	2 bar	15 bar	2 bar	15 bar
Measurement method	Relative			
For liquid media	No			
Type of process connection	Hose OD 6mm			
ardSOCA_Abmessungen	Ø16mm, 40mm long			
ardSOCA_ElektrischerAnschluss	M8 4-pin plug connector			
Display	LED display			
Setting procedure	Parameterization via IO-Link			
Number of switching outputs	2			
Type of switching output	PNP			
Type of switching function	Normally closed contact/normally open contact			
Supported communication interface	IO-Link			
Short-circuit protection	Yes			
Reverse polarity protection	Yes			
Relative linearity deviation	0.5 %			
Relative repeat accuracy	0.2 %			
Long-term drift per year	0.1 %			
Temperature drift over entire measuring range	1.5 %			
Housing material	Plastic PBT and PC			
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Ambient temperature	-10 - 60 °C			
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Degree of protection (IP)	IP68			

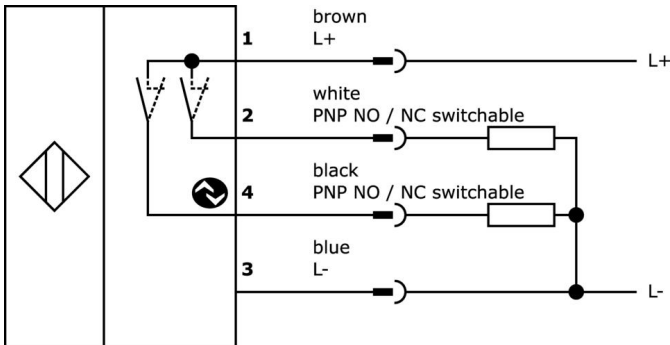
Article No.	DW084300	DW08430D	DW08430J	DW08430K
				
ardSOCA_Betriebsspannung	9-30VDC			
No-load current	25 mA			
Measuring range pressure	-1 - 0 bar	0 - 10 bar	-1 - 1 bar	-1 - 10 bar
Max. operating pressure	2 bar	15 bar	2 bar	15 bar
Measurement method	Relative			
For liquid media	No			
Type of process connection	Hose AD 8mm			
ardSOCA_Abmessungen	Ø16mm, 40mm long			
ardSOCA_ElektrischerAnschluss	M8 4-pin plug connector			
Display	LED display			
Setting procedure	Potentiometer (5 to 100%)			
Number of switching outputs	1			
Type of switching output	PNP			
Type of switching function	Normally open contact (NO)			
Relative hysteresis	5 %			
Short-circuit protection	Yes			
Reverse polarity protection	Yes			
Relative repeat accuracy	3 %			
Long-term drift per year	0.1 %			
Housing material	Plastic PBT and PC			
ardTEME_WerkstoffDerMesszelle	Silicon (piezoresistive)			
Ambient temperature	-10 - 60 °C			
Storage temperature	-20 - 85 °C			
Degree of protection (IP)	IP68			

Article No.	DW084600	DW08460D	DW08460J	DW08460K
				
ardSOCA_Betriebsspannung	9-30VDC			
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Ambient temperature	-10 - 60 °C			
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Degree of protection (IP)	IP68			

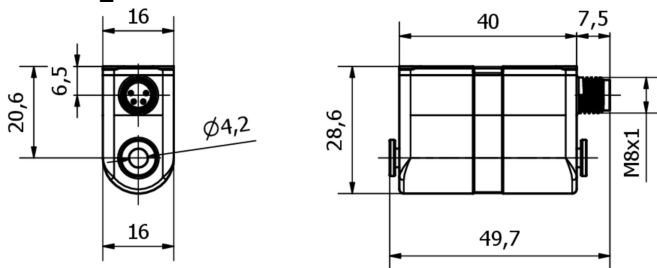
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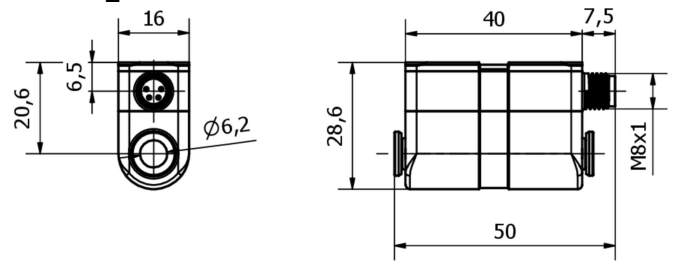
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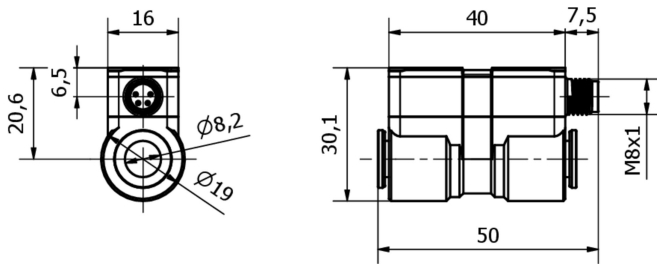
Maßbild_DW04



Maßbild_DW06



Maßbild_DW08



Extract accessories program

VK200371



Connection cable, 2m, M8 Female (socket) 4pin Angular, Free conductor end, 4x0.34mm², PUR (Polyurethane), Ø4.7mm, 30V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

VK200375



Connection cable, 2m, M8 Female (socket) 4pin Straight, Free conductor end, 4x0.34mm², PUR (Polyurethane), Ø4.7mm, 30V, -30-90°C, IP67, Suitable for trailing chain and torsion resistant, Oil and cooling lubricants, Welding area, Silicone-free

VK003171



Cable socket, Angular, Suitable for self-assembly, Screw connection, Ø5mm, 4A, 60V, -40-85°C, M8 Female (socket) 4pin, IP67, Polyamide PA

VK003175



Cable socket, Straight, Suitable for self-assembly, Screw connection, Ø3.5-5mm, 4A, 30V, -40-85°C, M8 Female (socket) 4pin, IP67, Brass

AD000023



Accessories Pressure, holder for Dx04/Dx06, 23x40x40mm, plastic, addable

AD000024



Accessories Pressure, holder for Dx08, 23x40x40mm, plastic, addable

VY000005



IO-Link master, 41x24x67mm, IO-Link, M12, With USB interface

You can find further accessories on our homepage



Installation

Mounting / installation may only be carried out by a qualified electrician!



Disposal

WEEE number according to § 6 para. 3 ElektroG: 40951076

Safety warnings

/ Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.

/ Never use these devices in applications where the safety of a person depends on their functionality.