

P12

Housing size	P12					
Operating distance mm	1.5	1.5	1.5	1.5	1.5	1.5
Max. operating pressure	7,250 psi	7,250 psi	7,250 psi	7,250 psi	7,250 psi	7,250 psi
Housing material	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A	Stainless steel V2A
Sensing face	Ceramic ZrO ₂	Ceramic ZrO ₂	Ceramic ZrO ₂	Ceramic ZrO ₂	Ceramic ZrO ₂	Ceramic ZrO ₂
Connection ¹⁾	PUR cable type 3	PUR cable type 3	PUR cable type 3	Connector S12	Connector S12	Connector S12
Degree of protection	IP 68	IP 68	IP 68	IP 68	IP 68	IP 68
Mounting	Embeddable	Embeddable	Embeddable	Embeddable	Embeddable	Embeddable
Max. switching frequency	600 Hz	600 Hz	600 Hz	600 Hz	600 Hz	600 Hz
Technical data ²⁾	Table 6	Table 6	Table 6	Table 6	Table 6	Table 6
Wiring ³⁾	Diagram 1	Diagram 1	Diagram 1	Diagram 2	Diagram 2	Diagram 2
LED	---	---	---	---	---	---
Supply voltage range	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC	10 ... 30 VDC
Ambient temperature range	-25 ... +80 °C*	-25 ... +80 °C*	-25 ... +80 °C*	-25 ... +80 °C*	-25 ... +80 °C*	-25 ... +80 °C*
Output current	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA	≤ 200 mA
¹⁾ Standard cable length 2 m. Non-standard cable lengths and types on request. ²⁾ see page 76 ³⁾ see page 77 ⁴⁾ see page 146						
Dimensions:						
Part references: (bold : preferred types)						
NPN N.O.	DW-AD-501-P12-639	DW-AD-501-P12-625	DW-AD-501-P12-627	DW-AS-501-P12-624	DW-AS-501-P12-630	DW-AS-501-P12
NPN N.C.						
PNP N.O.	DW-AD-503-P12-639	DW-AD-503-P12-625	DW-AD-503-P12-627	DW-AS-503-P12-624	DW-AS-503-P12-630	DW-AS-503-P12
PNP N.C.						DW-AS-504-P12
NAMUR						
AC/DC 2-wire N.O.						
AC/DC 2-wire N.C.						
Compatible connectors ⁴⁾				G ... N	G ... N	G...N(N.O.); K...N(N.C.)

* -13 ... +176 °F

