

# Ultrasonic 2 point proximity switch with Teach-in

Scanning range Sd	100...700 mm	100...700 mm
Special characteristics	<ul style="list-style-type: none"> <li>• Two separate outputs</li> <li>• Single button Teach-in</li> </ul>	<ul style="list-style-type: none"> <li>• Two separate outputs</li> <li>• Single button Teach-in</li> </ul>
The ultrasonic proximity sensors with 2 switching points have an additional electronic circuit, which allows the user to freely select two independent switching points along the output curve.		
PNP make function (NO)	<b>UZAM 30P6103/S14</b>	<b>UZAM 30P6103</b>
PNP break function (NC)	on request	on request
NPN make function (NO)	on request	on request
NPN break function (NC)	on request	on request
<b>technical data</b>		
scanning range Sd	100...Sde	100...Sde
scanning range far limit Sde (Teach-in)	110...700 mm	110...700 mm
sonic beam angle	10°	10°
sonic frequency	230 kHz	230 kHz
hysteresis	4% Sde	4% Sde
voltage supply range	12 - 30 VDC	12 - 30 VDC
residual ripple	10% Vs	10% Vs
supply current	< 35 mA	< 35 mA
max. switching current	200 mA	200 mA
voltage drop	≤ 2 VDC	≤ 2 VDC
short circuit protection	yes	yes
reverse polarity protection	yes	yes
response time $t_{on}/t_{off}$	≤ 40 ms	≤ 40 ms
repeatability	≤ 0,5 mm	≤ 0,5 mm
temperature drift	≤ 2% Sde	≤ 2% Sde
temperature range	0...+60 °C	0...+60 °C
housing material	brass nickel plated	brass nickel plated
protection class	IP 67	IP 67
switching state indication Sde1 / Sde2	green / red LED	green / red LED
adjustment aid	pulsed switching state indication	pulsed switching state indication
connector options	<b>ES 14, ES 33A, ES 34A</b>	-
synch./ext. teach/analog output	on request	on request

