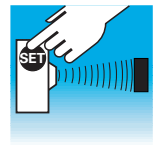




Ultrasonic proximity sensors with Teach-in



Scanning range Sd	10...100 mm	10...100 mm
Special characteristics	<ul style="list-style-type: none"> • Internal and external Teach-in • Compact housing 	<ul style="list-style-type: none"> • External Teach-in input • Miniature housing
<p>Ultrasonic proximity sensors enable the detection of different objects - irrespective of color and transparency. The sensor's potentiometer or teach-in input (button) enables the user to adjust the sensor for a specific sensing distance, eliminating background interference.</p>		
PNP make function (NO)	UNDK 20P6914/S35A	UNAM 12P1914/S14
PNP break function (NC)	UNDK 20P7914/S35A	UNAM 12P3914/S14
NPN make function (NO)	on request	on request
NPN break function (NC)	on request	on request
technical data		
scanning range far limit Sde	25...100 mm	25...100 mm
blind range St	10 mm	10 mm
sonic beam angle	6°	6°
sonic frequency	380 kHz	380 kHz
hysteresis	≤ 3 mm	≤ 3 mm
voltage supply range +Vs	12 - 30 VDC	12 - 30 VDC
residual ripple	< 10% Vs	< 10% Vs
supply current	< 30 mA	< 30 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 ton/toff	≤ 10 ms	≤ 10 ms
repeatability	≤ 0,8 mm	≤ 0,8 mm
temperature drift	0,18% Sde/K	0,18% Sde/K
temperature range	0...+60 °C	0...+60 °C
housing material	polyester	brass nickel plated
protection class	IP 67	IP 67
switching state indication	green LED	green LED
adjustment aid	yes	yes
synchronization	-	-
teach-in	internal or external	external
options		
multiplex version	-	-
connector options	ESW 31A, ESG 32A	ES 14, ESW 33A, ESG 34A
accessories		Teach-in Adapter Part nr. 141584
