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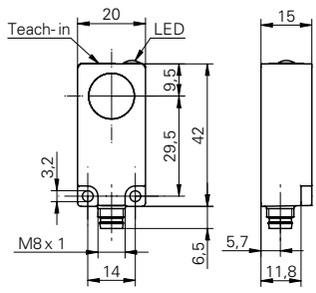
Ultrasonic proximity sensors

UNDK 20P6903/S35A

dimension drawing



general data

scanning range sd	100 ... 1000 mm
scanning range far limit Sde	100 ... 1000 mm
hysteresis typ.	4 % Sde
repeat accuracy	< 0,5 mm
temperature drift	< 0,18 % Sde/K
adjustment	Teach-in
response time ton	< 50 ms
release time toff	< 50 ms
alignment aid	target indication flashing
sonic frequency	240 kHz
output indicator	LED green

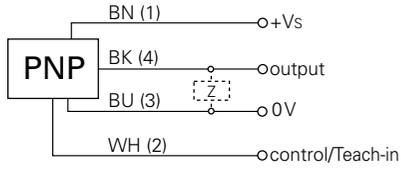
photo



electrical data

voltage supply range +Vs	12 ... 30 VDC
current consumption max. (no load)	35 mA
output circuit	PNP make function (NO)
output current	< 200 mA
voltage drop Vd	< 2 VDC
residual ripple	< 10 % Vs
short circuit protection	yes
reverse polarity protection	yes

connection diagram



mechanical data

type	rectangular
housing material	polyester
width / diameter	20 mm
height / length	42 mm
depth	15 mm
connection types	connector M8

- internal and external Teach-in
- compact housing

ambient conditions

operating temperature	-10 ... +60 °C
protection class	IP 67