microsonic



extract from our online catalogue:

wms-4/4D II

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microsonic GmbH / Phoenixseestraße 7 / 44263 Dortmund / Germany / **T** +49 231 975151-0 / **F** +49 231 975151-51 / **E** info@microsonic.de
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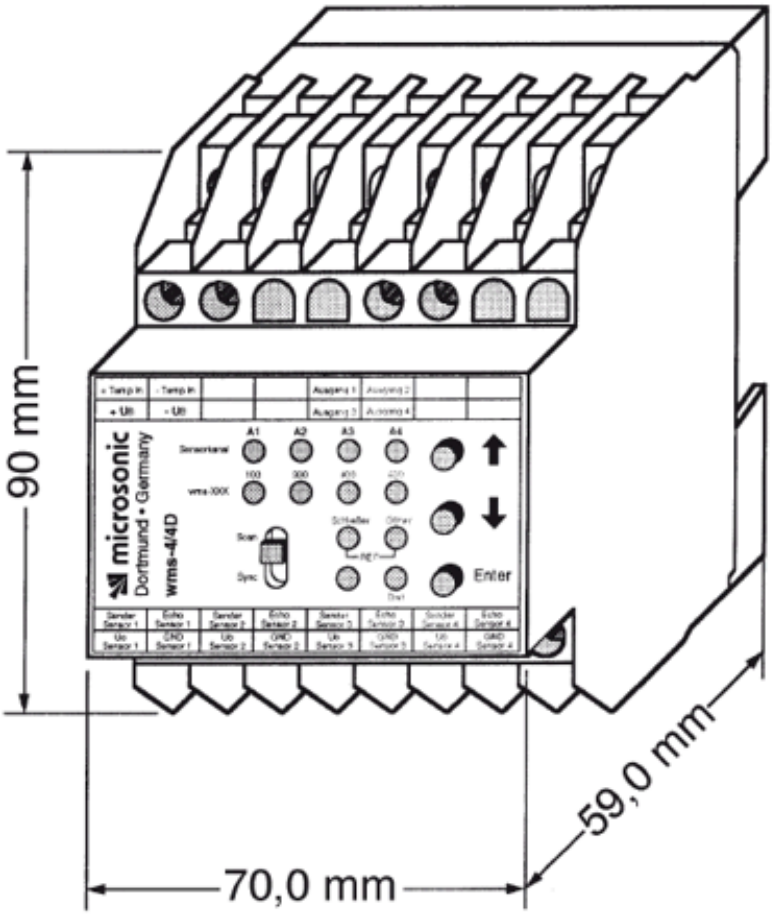
Archivsensor

wms-4/4D II

scale drawing



Successor model available	please inquire

4x 4 x pnp

design	cuboidal
operating mode	evaluator

Ultrasonic-Specific

means of measurement	echo propagation time measurement
resolution	0.36 mm
reproducibility	± 0.15 % in scan (multiplex) mode, ± 0.45 % in synchronous mode
accuracy	temperature drift 0.17 %/K

Electrical Data

operating voltage U_B	20 - 30 V d.c., reverse polarity protection
voltage ripple	± 10 %
no-load current consumption	≤ 50 mA (without sensors)
type of connection	screw terminals, wire cross-section 1.5 mm^2

Outputs

output 1	switching output pnp: I_{max} = 500 mA (U_B-2V) NOC/NCC adjustable, short-circuit-proof
Ausgang 2	switching output pnp: I_{max} = 500 mA (U_B-2V) NOC/NCC adjustable, short-circuit-proof
Ausgang 3	switching output pnp: I_{max} = 500 mA (U_B-2V) NOC/NCC adjustable, short-circuit-proof
Ausgang 4	switching output pnp: I_{max} = 500 mA (U_B-2V) NOC/NCC adjustable, short-circuit-proof

Inputs

input 1	control input

Housing

material	plastic with 24 screw terminals, suitable for top-hat rail mounting to DIN EN 50022-35
ultrasonic transducer	polyurethane foam, epoxy resin with glass contents
class of protection to EN 60529	IP 20
operating temperature	-20°C to +70°C non-condensing
storage temperature	-40°C to +85°C
weight	200 g

Technical Features/Characteristics

temperature compensation	no
controls	3 push-buttons, 1 slider switch on front
scope for settings	at the evaluator
synchronization	yes
multiplex	yes
indicators	4 x LED yellow: object in the window, 7 x LED green: status and programming