

<b>3RG6232-3JS00-PF</b>	Compact range M18, <b>0...10 V</b> Kompaktreihe M18, <b>0...10 V</b>	Connector M12 Stecker M12
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**Size/Bauform** : cylindrical M18/ zylindrisch M18  
**Function/Funktion** : Diffuse/Taster

**Operating distance/Schaltabstand**

Sensing range/Erfassungsbereich : 50 ... 300 mm  
 Standard target/Normmessplatte : 10 x 10 mm  
 Repeat accuracy/Wiederholgenauigkeit R : +/- 2 mm  
 Rated ultrasonic frequency/  
 Ultraschallnennfrequenz : 400 kHz

**Analog output/Analogausgang**

Output voltage/Ausgangsspannung : 0 ... 10 V  
 Analog range/Analogbereich : 50 ... 300 mm  
 Adjustment/Einstellung : SONPROG  
 Working resistance/Bürde : > 2 kOhm  
 Characteristic/Kennlinie : Rising/steigend  
 Resolution/Auflösung : 12 Bit (4095 steps/Schritte)  
 Measuring rate/Meßrate : 25 ms (40 Hz)  
 Accuracy/Genauigkeit : +/- 2,5 %

**Power supply voltage/  
 Versorgungsspannung**

Rated operational voltage/  
 Bemessungsbetriebsspannung Ue : 24 V DC  
 Operating voltage range/  
 Betriebsspannungsbereich UB : 12 ... 30 V DC incl. ripple content /  
 12 ... 30 V DC incl. Restwelligkeit  
 by reduction of operating voltage/  
 bei Betriebsspannungsreduzierung : 12 V < operating voltage < 20 V/  
 12 V < Betriebsspannung < 20 V  
 Detection/Erfassung : 20 % < reduced sensitivity < 0 %/  
 20 % < reduzierte Empfindlichkeit < 0 %  
 No-load supply current/Leerlaufstrom Io : max. 60 mA  
 max. ripple content/zul. Restwelligkeit : 10 %

**Bidirectional connection „Release“/  
 Bidirektionaler Anschluß „Freigabe“**

As release input/als Freigabeeingang  
 max. input voltage/  
 max. Eingangsspannung : 30 V  
 max. L-Level (SONAR-BERO inactive)/  
 max. L-Pegel (SONAR-BERO inaktiv) : 0 ... 3 V  
 min. H-Level (SONAR-BERO active)/  
 min. H-Level (SONAR-BERO aktiv) : 15 ... 30 V or high-resistance/oder hochohmig  
 Input resistance (current sink)/  
 Eingangswiderstand (Stromsenke) : 0,9 kOhm  
 min. enable time/min. Freigabezeit : 78 ms

**As synchronization connection/  
 als Synchronisieranschluß**

max. quantity of SONAR-BERO run in  
 synchronism/ : 10  
 max. Anzahl der synchron laufenden  
 SONAR-BERO

# Ultrasonic proximity switch

## Times/Zeiten

Frequency of operating cycles/ Schaltfrequenz	f	:	5 Hz
Time delay before availability/ Bereitschaftsverzug	tv	:	280 ms
Response time/Ansprechzeit		:	100 ms

## Temperatures/Temperaturen

Rated temperature/ Bemessungstemperatur	Tu	:	25 Cel
Ambient temperature/ zul. Umgebungstemperatur	Ta	:	-25 ... +70 Cel
Storage temperature range/ zul. Lagertemperatur	Ts	:	-40 ... +85 Cel
Thermal drift (teach value)/ Temperaturdrift (Toleranzwert)			max. $\pm$ 2,5 %

## Electrical protections/

### Elektrische Schutzmaßnahmen, EMV

Reverse voltage protection/ Verpolungsschutz		:	built-in/eingebaut
Wire breakage protection/ Drahtbruchsicherheit		:	built-in/eingebaut
Inductive overvoltage/Induktionsschutz		:	built-in/eingebaut
False pulses/Einschaltfehlimpuls		:	suppressed/unterdrückt
IEC 61000-4-2			4 kV
IEC 61000-4-3			10 V/m
IEC 61000-4-4			2 kV
IEC 61000-4-6			10 V/m
EN 55011			Class B

## Mechanical protections/

### Mechanische Schutzmaßnahmen

Degree of protection/Schutzart		:	IP 67
Shock/Schockbeanspruchung		:	30 g; 11 ms duration/Einwirkdauer
Vibration/Schwingbeanspruchung		:	10 bis 55 Hz, 1 mm amplitude/Amplitude
Max. tightening torque/ max. Anzugsdrehmoment		:	60 Nm

## Indicators/Anzeigen

	:	LED (yellow)/LED (gelb):
Object in analog range:	On:	LED shines/
Objekt im Analogbereich:	Ein:	LED
		leuchtet

## Mounting conditions/

### Einbaubedingungen

Mounting position/Einbaulage		:	any/beliebig
Max. cable length/ max. zulässige Leitungslänge		:	300 m

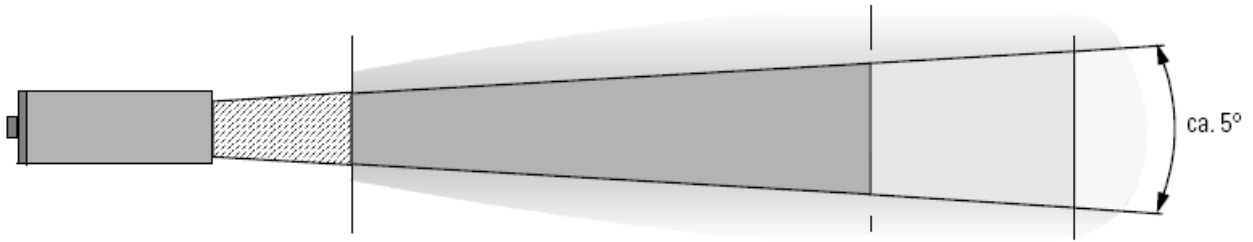
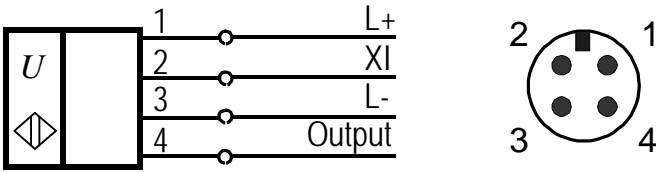
## Constructive characteristics/

### Konstruktive Merkmale

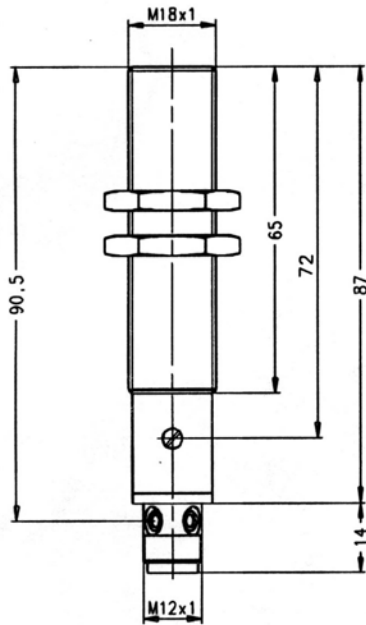
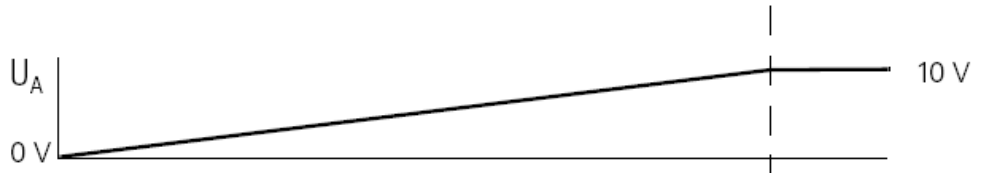
Housing material/Gehäuse		:	brass nickel-plated/Messing vernickelt
Connection/Anschluß		:	Connector M12, 4-pole/Stecker M12, 4-polig
Direction of radiation/Abstrahlrichtung		:	front side/stirnseitig
Weight/Gewicht		:	0,09 kg

Ultrasonic proximity switch

3RG6232-3JS00-PF:



3RG623□-3JS





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