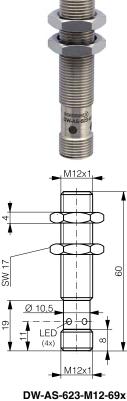


INDUCTIVE SENSOR WELD-IMMUNE DW-Ax-62x-M12-6xx

HOUSING	OPERATING DISTANCE	MOUNTING	 ✓ High performance anti- spatter coating 	√ E F
M12	4 mm	embeddable	 Magnetic field resistant in welding applications 	√ ŀ



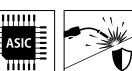


- Exceptional priceperformance ratio
- High repeatability

US

LISTED





<u>→</u> M12x1→ DW-AS-623-M12-69x				
DETECTION DATA		INTERFACE		
Rated operating distance (S _n)	4 mm	Indicator LED, yellow	Sensing state ($0 \le s \le S_r$)	
Assured operating distance (S _a)	\leq (0.81 x S _n) mm	IO-Link	No IO-Link	
Repeat accuracy	\leq 0.2 mm	MTTF (@40°C)	1017 y	
Hysteresis	3% $S_r \le Hyst \le 15\% S_r$			
Temperature drift	\leq 10% S _r			
Standard target	12 x 12 x 1 mm ³ , FE360			

Standard target Note: $0.9S_n \le S_r \le 1.1S_n$.

ELECTRICAL DATA		MECHANICAL DATA		
Supply voltage range (U _B)	1030 VDC	Mounting	Embeddable	
Residual ripple	\leq 20% U _B	Housing material	V2A / 1.4305 / AISI 303 (+ coating)	
Output current	≤ 200 mA	Sensing face material	PEEK	
Output voltage drop	\leq 2.0 VDC	Max tightening torque	10 Nm	
Power consumption (no-load)	≤ 10 mA	Ambient operating temperature	-25+70°C1	
Residual current	\leq 0.1 mA	Enclosure rating	IP67	
Switching frequency	≤ 15 Hz	Weight (cable / connector)	see page 2	
Short-circuit protection	\checkmark	Shock and vibration	IEC 60947-5-2	
Voltage reversal protection	\checkmark			
Cable length max.	≤ 300 m			
Note: all data measured according to IEC 6094		¹ Maximum temperature according to UL: 70°C.		

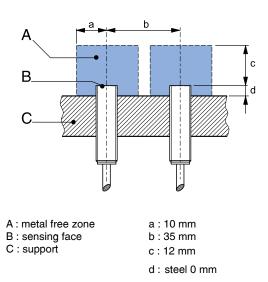
CONTRINEX AG Industrial Electronics

Route du Pâqui 5 - P.O. Box - CH 1720 Corminboeuf - Switzerland - Tel: +41 26 460 46 46 Fax: +41 26 460 46 40 - Internet: www.contrinex.com - E-mail: info@contrinex.com

CORRECTION FA	CTORS								
Steel FE 360	1	Copper	1.15	Aluminum	1.4	Brass	1.6	Stainless Steel V2A	0

Note: the operating distance of the sensor must be multiplied by the correction factor of the material. For example, the operating distance on Aluminum is $S_{n,AI} = S_n \times CF_{AI}$. In case of embeddable mounting, the distance is multiplied by the additional correction factor of the support, thus $S_{n,AI} = S_n \times CF_{AI} \times CF_{emb,AI}$.

INSTALLATION CONDITIONS



Note: additional installation information can be found in the glossary of the Contrinex General Catalog.



AVAILABLE TYPES								
UNCOATED								
Part number	Part reference	Polarity	Connection	Output on pin 2	Output on pin 4 / bk	Weight		
320-420-790	DW-AS-623-M12-694	PNP	M12 4-pin	-	Normally open (NO)	13.3 g		
COATED								
Part number	Part reference	Polarity	Connection	Output on pin 2	Output on pin 4 / bk	Weight		
320-420-791	DW-AS-623-M12-697	PNP	M12 4-pin	-	Normally open (NO)	13.3 g		

Note: part reference may include additional suffix to indicate a revision version or special version. Further information is available on request.

Operators of the products we supply are responsible for compliance with measures for the protection of persons. The use of our equipment in applications where the safety of persons might be at risk is only authorized if the operator observes and implements separate, appropriate and necessary measures for the protection of persons and machines. Terms of delivery and rights to change design reserved.

CONTRINEX AG Industrial Electronics

Route du Pâqui 5-P.O. Box-CH 1720 Corminboeuf-Switzerland - Tel: +4126 460 46 46 Fax: +41 26 460 46 40 - Internet: www.contrinex.com - E-mail: info@contrinex.com