

IM5055



Inductive AS-Interface sensor

IMC2015-ASI /US-100

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Alternative articles: IM5118

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design		AS-i
Sensing range	[mm]	15
Housing		rectangular
Dimensions	[mm]	40 x 40 x 66

Application

System	gold-plated contacts
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Electrical data

Operating voltage	[V]	26.5...31.6 DC
Current consumption	[mA]	< 30
Reverse polarity protection		yes

Outputs

Electrical design	AS-i
Short-circuit protection	yes



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Type of short-circuit protection	yes (non-latching)				
Overload protection	yes				
Monitoring range					
Sensing range	[mm]	15			
Operating conditions					
Ambient temperature	[°C]	-25...70			
Protection	IP 67				
Tests / approvals					
EMC	EN 60947-5-2				
	EN 55011		class B		
AS-i classification					
AS-i I/O configuration	[hex]	1			
AS-i ID code	[hex]	1			
Data bits	Type	Input	Input	Input	Output
	Description	switching signal	safe zone	readiness for operation	Test
	status = 0	target outside the active zone	target within the uncertain zone	faulty device or target collided with the sensor	not used
	status = 1	target within the active zone	target within the certain zone	unit ready for operation	not used
Mechanical data					
Housing	rectangular				
Mounting	flush mountable				
Dimensions	[mm]	40 x 40 x 66			
Material	housing: PBT; sensing face: PPE; clamp: PPS				
Displays / operating elements					
Display	Switching status		1 x LED, yellow		
	Unsafe zone		1 x LED, red sensor coil wire break, sensor coil short circuit Sr: 0...10 % (< 10 Hz) Sn: 80...115 % (< 10 Hz)		
Accessories					
Items supplied	Mounting bracket: 1				
	Allen key: 1				
Remarks					
Remarks	5 positions of the active zone possible				
	Assured range: approx. 10...80 % of Sn				
Pack quantity	1 pcs.				

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Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection

