

# Inductive Sensors of serie ASI.....

acc. to ATEX highest security shielded

## Special sensors for the grain and food industry

Inductive sensors as end switches, flat indicators, signal receiver (e.g. speed), alignment sensors for conveyors and belts. Inductive sensors correspond to magnetic materials such as iron, ferrites etc.

The sensors are supplied in the following constructions:

### Standard sensors for dust - Ex operation acc. to ATEX

#### Metal- or plastic housing, fix connection cable 3m, cheapest version

Sensors for universal application with high sensitivity. With adjustable sensitivity for the types ASIQ80.. Mounting acc. to operating manual.

#### Sensors with higher interference security for dust- and gasoperation acc. to ATEX

##### Metal housing with additional internal shielding and 3m fix, shielded connection cable

These sensors feature an extremely high interference protection and are used where higher security (ATEX) or higher interference protection (EMV) is necessary. The application range is mainly in installations where frequency converters are used. Mounting: these sensors can be mounted near interference sources (frequency converters), preferably by fixing bows, ASIQ80 via separation glas (zone 20/22 or zonefree, acc. to operating manual).

##### Sensoroutput:

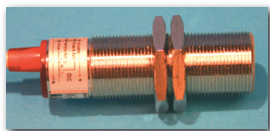
- 4-wire version: PNP(standard) = positive switching. **Agromatic** supplies some sensors in the layout NC+NO (4-wire). Therefore you have the same function as for the relay switching contact. All DC-sensors of Agromatic have the safety voltage range of 55Vpp acc. to the EN61326.

- 3-wire version NC or NO switching.

- 4-wire version NC and NO switching.

Supplied on request: NPN - version. Supplied as standard: ASI18..serie with H12(male) sensor- bus coupling switch

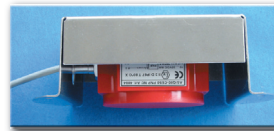
Standardsensors						
Art No	Classification	Technical data	Switch.dist.	Certification	Sizes	Connec.
4003	ASI12 DC4 PNP NC 10-30V DC	Metal housing, 200mA	4mm	ExII3DIP67T80°CX	M12x61	3-wire
4001	ASI12 DC4 PNP NO 10-30V DC	Metal housing, 200mA	4mm	ExII3DIP67T80°CX	M12x61	3-wire
4026	ASI18 DC8 PNP NO 10-30V DC	Metal housing, 200mA	8mm	ExII3DIP67T80°CX	M18x70	3-wire
4027	ASI18 DC8 PNP NC 10-30V DC	Metal housing, 200mA	8mm	ExII3DIP67T80°CX	M18x70	3-wire
4084	ASIQ80 CE50 PNP NC 10-35V DC TF *	Plastic housing 200mA	10-60mm	ExII3DIP67T80°CX	80x80x60mm	3-wire
4089	ASIQ80 CE50 PNP NO 10-35V DC TF *	Plastic housing 200mA	10-60mm	ExII3DIP67T80°CX	80x80x60mm	3-wire
Sensors with higher interference protection for dust and gas Ex in metal housing						
4006	ASI12 DC4 PNP NC 10-30V DC TF *	Metal housing, 200mA	4mm	ExII3DIP67T80°C**	M12x61	3-wire
4005	ASI12 DC4 PNP NO 10-30V DC TF *	Metal housing, 200mA	4mm	ExII3DIP67T80°C**	M12x61	3-wire
4023	ASI18 DC8 PNP NO+NC 10-30V DC TF*	Metal housing, 200mA	8mm	ExII3DIP67T80°C**	M18x70	4-wire
4024	ASI18 DC8 PNP NO+NC H12/Male TF *	Metal housing, 200mA***	8mm	ExII3DIP67T80°C**	M18x70Steck.	4-wire
Accessories (for mounting and zone separation):						
3714	A507/130 diameter 130mm	sep. glas, plastic, with sealing Z20/22		ExII2D BVS 04 ATEX H/B080		
2902	fixing bow for ASIQ80	impact protection 7J				
4025	safety clip,ATEX for M12 plug					
<b>Explanation:</b> * = shielded cable ** = ExII3GExnAIIIT5 *** = plug M12 TF = integrated thermofuse 85 °C						



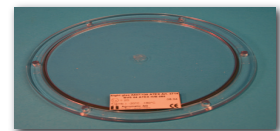
ASI12/18...serie



ASIQ80 standard



ASIQ80 art. 4085



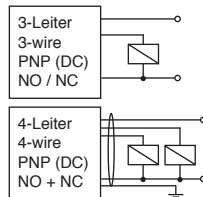
sep. glas art. 3714



Right of technical and dimensional changes in the sense of process reserved at all times



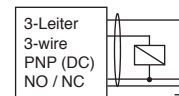
**Agromatic AG**



#### Connection diagramme :

Art: 4003, 4001, 4026, 4027

Art: 4023  
4024



Art: 4006, 4005,  
4084, 4089

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