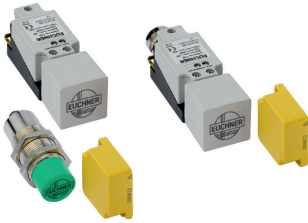


Automation at a glance

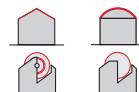
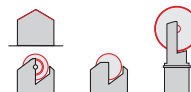
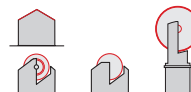
Ident Systems					
CIS3		CIS3A		CIS3A - Mini	
					
Read system	Read/write system	Read system	Read/write system	Read system	Read/write system
EAC	EAC	EAC	EAC	EAC	EAC
CuZn, nickel-plated	plastic	CuZn, nickel-plated	plastic	CuZn, nickel-plated	CuZn, nickel-plated
–	–	–	–	plastic	plastic
M30x80 mm	40x40x149 mm	M30x80 mm	40x40x149 mm	M12x39 mm	M12x39 mm
–	–	–	–	114 x99x22.5 mm	114x99x22.5 mm
0 to +50 °C	0 to +55 °C	0 to +50 °C	0 to +55 °C	0 to +50 °C	0 to +55 °C
non-flush	non-flush	non-flush	non-flush	non-flush	non-flush
–	–	–	–	DIN rail mounting	DIN rail mounting
IP67	IP65	IP67	IP65	IP65	IP65
–	–	–	–	IP20	IP20
24 V	24 V	24 V	24 V	24 V	24 V
100 mA	120 mA	100 mA	120 mA	100 mA	100 mA
U _B - 3 V 2 V	– –	U _B - 3 V 2 V	– –	U _B - 3 V 2 V	– –
15 V 2 V	– –	15 V 2 V	– –	15 V 2 V	– –
4-Bit parallel	seriell RS 232/V.24	4-Bit parallel	seriell RS 232/V.24	4-Bit parallel	seriell RS 232/V.24 RS 422
–	3964R	–	3964R	–	3964R
–	9.6 kBaud	–	9.6 kBaud	–	9.6 kBaud 28.8 kBaud
 Ø 16 x 8 mm	 35 x 16 x 8 mm	 50 x 50 x 20 mm		 Ø 10 x 4 mm	
direction-dependent		direction-independent		direction-independent	
cube-shaped: screws, non-flush with metal Cylindrical: bonding, flush in metal		screws, non-flush with metal		bonding, flush in metal	
18 mm		28 mm		5 mm	
410 mm/s	static	230 mm/s	static	static	
16 Bytes		16 Bytes		4 Bytes	116 Bytes
-40 to +85 °C		-20 to +85 °C		-25 to +70 °C	
IP67		IP67		IP67	
100.000		100.000		100.000	
not limited		not limited		not limited	

Inductive ident systems are used for the non-contact identification of products such as workpiece carriers or tools. The robust data carriers without batteries are, for example, programmed with a sequential number. Data carriers can be purchased programmed or you can program them yourself using a head with serial interface, or a portable hand-held terminal. The information is transferred via read-only heads directly to the inputs/outputs on a control system using a parallel data interface. Integration is therefore straightforward and low-cost.

● available ○ available on request — not available

All given data refer to the respective minimum or maximum values for the entire series.

Automation at a glance

Automation at a glance	Position Switches		Precision Single Limit Switches			
	 NG	 N01	 SN01	 N1A	 N11	
Approvals						
Special features/ specific advantages	• Acc. to EN 50041 • down to -40 °C (on request)	• down to -40 °C (on request)		• Acc. to DIN 43693 • down to -40 °C (on request)		
Switching element	Contact elements, max.	4	1	2	2	2
	Switching current, max.	10A	4A	4A	6A	10A
	Switching current min. (at 24 V)	1 mA	10mA	10mA	5mA	20mA
	Switching voltage, max.	230V	230V	230V	230V	230V
	Mechanical life, max.	30x10 ⁶	1x10 ⁷	1x10 ⁷	30x10 ⁶	30x10 ⁶
	Operating point accuracy max.	± 0.002	± 0.02	± 0.02	± 0.002	± 0.002
Environment	Housing material	die-cast aluminum, anodized	die-cast aluminum, anodized	die-cast aluminum, anodized	die-cast aluminum, anodized	die-cast aluminum, anodized
	Housing dimensions, min. (HxWxD)	100x40x42 mm	40x40x20 mm	45x50x22 mm	60x76x28 mm	62x65x30 mm
	Plunger spacing	–	–	–	–	–
	Number of plungers	1	1	1	1	1
	Ambient temperature	-25 to +80 °C	-5 to +125 °C	-5 to +80 °C	-25 to +80 °C	-5 to +80 °C
	Degree of protection, max., acc. to IEC 60529	IP67	IP67	IP67	IP67	IP67
	LED indicator		–	–		–
	Approach/actuating direction					
	Approach speed, max.	300m/min	50m/min	50m/min	80m/min	80m/min
Connection	Cable entry	M20x1.5	M12x1.5	M16x1.5	2 x M16x1.5	3 x M20x1.5
	Connection cable (pre-assembled)	–	2 or 5 m	2 or 5 m	–	–
	Plug connector	M12, 4-pin + PE SR6 DIN 43651	M12, 4-pin + PE	M12, 4-pin + PE	M12, 4-pin + PE	–
Accessories	Plunger types with bearing, for high approach speed, on request 					

● available ○ available on request – not available

All given data refer to the respective minimum or maximum values for the entire series.

Mechanical

Single Hole Fixing Limit Switches



EGM8



EGM12



EGT12
EGT1/4



EGT1M12



EGT1



EGT2



EGT4



- high precision
- small design



- down to -30 °C (on request)



- up to +120 °C (on request)
- for underwater use



1

0.6 A

10 mA

230 V

1 x 10⁶

± 0,01

1

0.6 A

10 mA

230 V

1 x 10⁶

± 0,01

1

0.3 A

1 mA

230 V

30 x 10⁶

± 0,01

1

0.6 A

10 mA

230 V

1 x 10⁶

± 0,01

1

0.6 A

10 mA

230 V

1 x 10⁶

± 0,01

2

2 A

10 mA

230 V

3 x 10⁶

± 0,01

4

2 A

10 mA

230 V

5 x 10⁵

± 0,01

stainless steel

stainless steel

stainless steel

brass, nickel-plated

brass, nickel-plated

steel/brass

Brass,
nickel-plated

43 x Ø 8 mm

40 x Ø 12 mm

61 x Ø 12 mm

74 x Ø 12 mm

65 x Ø 12 mm

88 x Ø 18 mm

115 x Ø 24 mm

–

–

–

–

–

–

–

1

1

1

1

1

1

1

-25 to +80 °C

-25 to +85 °C

-25 to +80 °C

-25 to +80 °C

-25 to +80 °C

-5 to +60 °C

-25 to +70 °C

IP65

IP65

IP68

IP67

IP67

IP67

IP67

–

–

–

–

–

–

–



8 m/min



8 m/min



8 m/min



8 m/min



8 m/min



10 m/min



10 m/min

–

11 m

–

–

5 m

M12, 4-pin

–

5 m

M12, 4-pin + PE

–

5 m

M12, 4-pin

–

5 m

M12, 4-pin

–

5 m

M12, 4-pin + PE

–

5 m

–



(with longer plunger and
PU scraper on request)



(with longer plunger
and PU scraper
on request)

