

Actuator CES-A-BSP

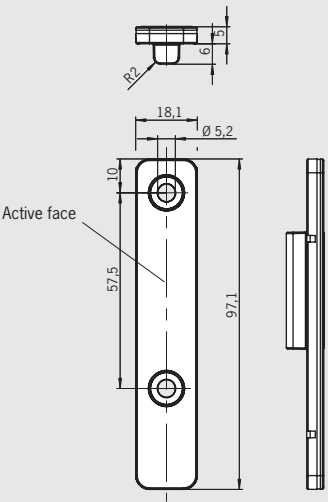
► Optimized for aluminum profile mounting



For possible combinations see page 24

Actuator CES-A-BSP

Dimension drawing



Ordering table

Series	Comment	Version	Order no. / item
CES-A-BSP	Please order installation material separately		104970 CES-A-BSP-104970
Installation material for CES-A-BSP	For Bosch profiles with 8 mm groove	2 screws and 2 clamping pieces	106633 Installation material 8-groove Bosch
	For Bosch profiles with 10 mm groove	2 screws and 2 clamping pieces	106634 Installation material 10-groove Bosch
	For ITEM profiles with 8mm groove	2 screws and 2 clamping pieces	106635 Installation material 8-groove ITEM

Technical data

Parameter	Value			Unit
	min.	typ.	max.	
Housing material	Reinforced thermoplastic, fully encapsulated			
Weight	0.02			kg
Ambient temperature	-25	-	+70	°C
Degree of protection	IP67			
Installation position	Active face opposite read head			
Power supply	Inductive via read head			

Actuator CES-A-BBN

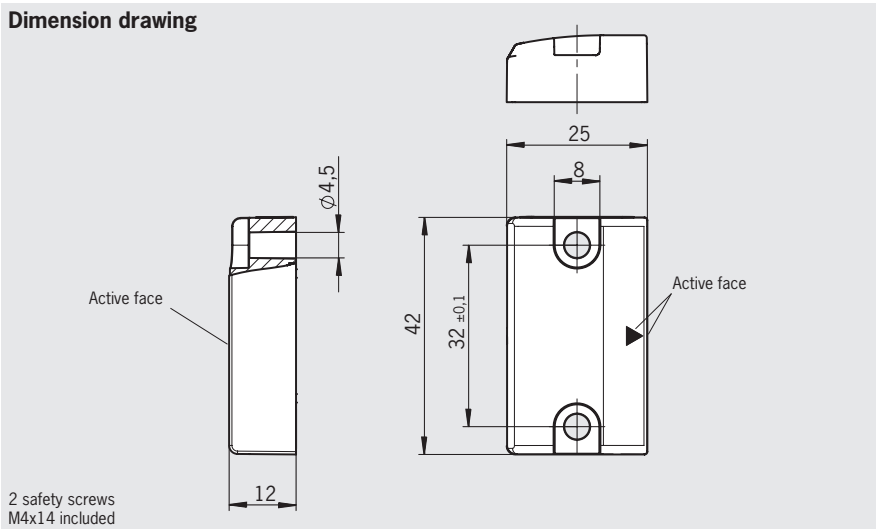
- ▶ Rectangular design
42 x 25 mm
- ▶ Attachment compatible with actuator
CES-A-BBA/BCA



For possible combinations see page 24

Actuator CES-A-BBN

Dimension drawing



Ordering table

Series	Comment	Version	Order no. / item
CES-A-BBN	2 safety screws M4 x 14 are supplied		106600 CES-A-BBN-106600

Technical data

Parameter	Value			Unit
	min.	typ.	max.	
Housing material	Reinforced thermoplastic (PBT), fully encapsulated			
Dimensions	42 x 45 x 12			mm
Weight	0.025			kg
Ambient temperature	-25	-	+70	°C
Degree of protection	IP67			
Installation position	Active face opposite read head			
Power supply	Inductive via read head			

Actuator CES-A-BDN-06

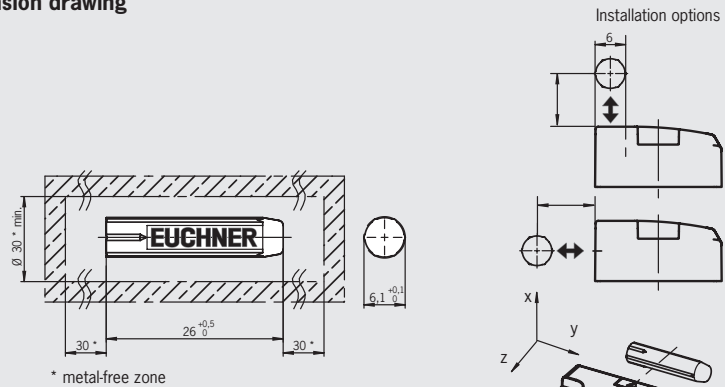
► Cylindrical design Ø 6 mm



For possible combinations see page 24

Actuator CES-A-BDN-06

Dimension drawing



Ordering table

Series	Comment	Version	Order no. / item
CES-A-BDN-06			104730 CES-A-BDN-06-104730

Technical data

Parameter	Value			Unit
	min.	typ.	max.	
Housing material	Macromelt PA-based plastic			
Dimensions	26 x Ø 6			mm
Weight	0.005			kg
Ambient temperature	-40	-	+70	°C
Degree of protection	IP67/IP69K			
Installation position	Active face opposite read head			
Power supply	Inductive via read head			

Actuator CES-A-BBA/CES-A-BCA



- Rectangular design
42 x 25 mm



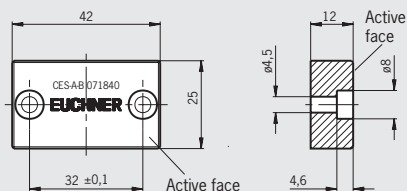
For possible combinations see page 24

Actuator CES-A-BBA (Fortron)

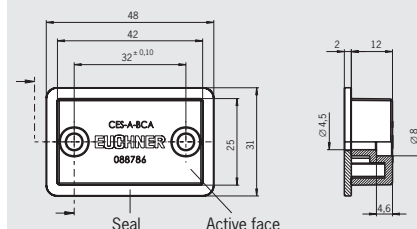
Actuator CES-A-BCA (PE-HD) Housing material PE-HD



Dimension drawing



2 safety screws
M4x14 included



2 safety screws
M4x14 included

CES-AZ

Ordering table

Series	Comment	Version	Order no. / item
CES-A-BBA	2 safety screws M4 x 14 are supplied	-	071840 CES-ABBA
CES-A-BBA-EX	2 safety screws M4 x 14 are supplied	ATEX ¹⁾	098158 ¹⁾ CES-ABBA-EX
CES-A-BCA	2 safety screws M4 x 14 are supplied Flat seal included	Housing material PE-HD ²⁾	088786 CES-ABCA

1) EX II 3G Ex nL IIC T70°C (zone 2 gases) and EX II 3D Ex tD A22 T70°C
2) Suitable for use in aggressive media (e. g. acids, alkalis)

Technical data

Parameter	min.	Value typ.	max.	Unit
Housing material				
- CES-ABBA		Fortron, reinforced thermoplastic, fully encapsulated		
- CES-ABCA		Plastic PE-HD without reinforcement, fully encapsulated		
Flat seal material (CES-ABCA only)		Fluororubber 75 FPM 4100		
Dimensions		42 x 25 x 12		mm
Weight		0.02		kg
Ambient temperature				
- CES-ABBA	-25	-	+70	°C
- CES-ABBA-EX	-25	-	+60	
- CES-ABCA	-25	-	+50	
Degree of protection		IP67/IP69K		
Installation position		Active face opposite read head		
Power supply		Inductive via read head		

Actuator CES-A-BQA

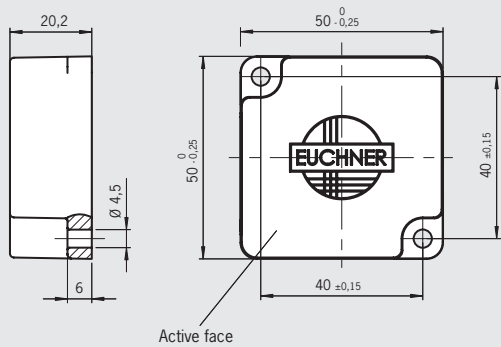
- Rectangular design
50 x 50 mm



For possible combinations see page 24

Actuator CES-A-BQA

Dimension drawing



2 safety screws
M4x14 included

Ordering table

Series	Comment	Version	Order no. / item
CES-A-BQA	2 safety screws M4 x 14 are supplied		098108 CES-A-BQA

Technical data

Parameter	Value			Unit
	min.	typ.	max.	
Housing material	Fortron, reinforced thermoplastic, fully encapsulated			
Dimensions	50 x 50 x 20.2			mm
Weight	0.07			kg
Ambient temperature	-25	-	+70	°C
Degree of protection	IP67			
Installation position	Active face opposite read head			
Power supply	Inductive via read head			

Actuator CES-A-BDA

► Round design Ø 20 mm

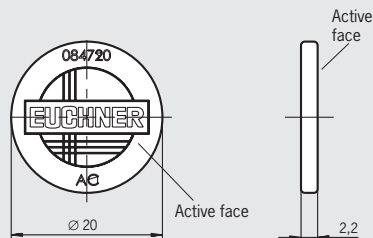


For possible combinations see page 24

Actuator CES-A-BDA



Dimension drawing



Ordering table

Series	Comment	Version	Order no. / item
CES-A-BDA			084720 CES-A-BDA-20

Technical data

Parameter	min.	Value typ.	max.	Unit
Housing material		Plastic PC		
Dimensions		Ø 20 x 2.2		mm
Weight		0.0008		kg
Ambient temperature	-25	-	+70	°C
Degree of protection		IP67		
Installation position		Active face opposite read head		
Power supply		Inductive via read head		

Actuator CES-A-BMB/CES-A-BMB-EX



► Cylindrical design M12 x 0.75



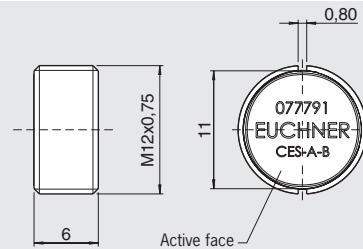
For possible combinations see page 24

Insertion tool

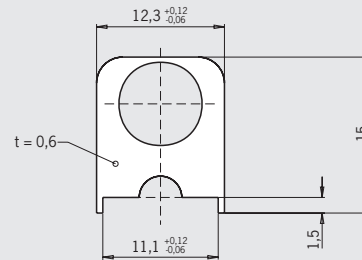
With the aid of the insertion tool, the actuator CES-A-BMB (cylindrical design) can be screwed into a prepared M12 x 0.75 thread in safety doors.

Actuator CES-A-BMB

Dimension drawing



Insertion tool



Ordering table

Series	Comment	Version	Order no. / item
CES-A-BMB			077791 CES-A-BMB
CES-A-BMB-EX		ATEX ¹⁾	098159 ¹⁾ CES-A-BMB-EX
Insertion tool		For actuator CES-A-BMB	037662

1) EX II 3G Ex nL IIC T70°C (zone 2 gases)

Technical data

Parameter	min.	Value typ.	max.	Unit
Housing material		Stainless steel, Niro		
Dimensions		M12 x 0.75, depth 6		mm
Weight		0.002		kg
Ambient temperature	-25	-	+70	°C
Ambient pressure (only applies if the pressure acts on all sides of the actuator)	-	-	10	bar
Degree of protection		IP67		
Installation position		Active face opposite read head		
Power supply		Inductive via read head		

Actuator CEM-A-BE05/CEM-A-BE05-EX



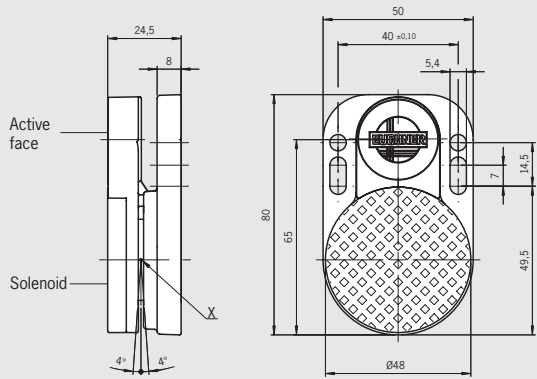
► Locking force 500 N

Actuator CEM-A-BE05/CEM-A-BE05-EX

Dimension drawing



For possible combinations see page 24



2 safety screws
M5x16 included

Ordering table

Series	Order no / item
CEM-A-BE05	094805 CEM-A-BE05
CEM-A-BE05-EX	097178 ¹⁾ CEM-A-BE05-EX

Technical data

Parameter	min.	Value typ.	max.	Unit
Housing material		Aluminum		
Material, read head CES		Plastic (PPS)		
Solenoid mating plate material		Galvanized steel		
Weight		Approx. 0.18		kg
Ambient temperature	-25	-	+50	°C
Degree of protection acc. to IEC 60529		IP67		
Installation position		Active face opposite read head		
Adjustment angle (around point X, see dimension drawing)		± 4		SDgr

1) EX II 3G Ex nA IIC T6

Actuator CEM-A-BH10

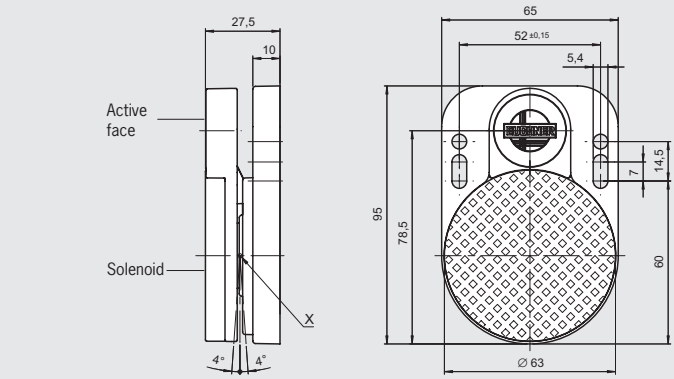
► Locking force 1000 N

Actuator CEM-A-BH10



For possible combinations see page 24

Dimension drawing



2 safety screws
M5x16 included

Ordering table

Series	Order no / item
CEM-A-BH10	095175 CEM-A-BH10

Technical data

Parameter	min.	Value typ.	max.	Unit
Housing material		Aluminum		
Material, read head CES		Plastic (PPS)		
Solenoid mating plate material		Galvanized steel		
Weight		Approx. 0.3		kg
Ambient temperature	-25	-	+50	°C
Degree of protection acc. to IEC 60529		IP67		
Installation position		Active face opposite read head		
Adjustment angle (around point X, see dimension drawing)		± 4		SDgr

Actuator CES-A-BPA

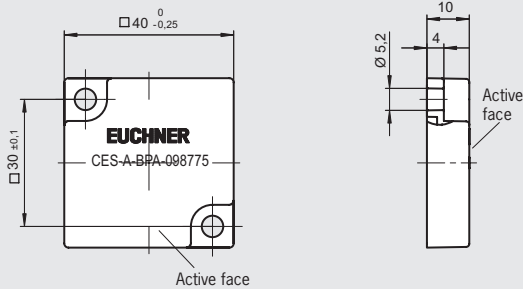
- Rectangular design
40 x 40 mm



For possible combinations see page 83

Actuator CES-A-BPA

Dimension drawing



2 safety screws
M5x10 included

Ordering table

Series	Comment	Version	Order no. / item
CES-A-BPA	2 safety screws M5 x 10 are supplied	-	098775 CES-A-BPA
CES-A-BPA-EX	2 safety screws M5 x 10 are supplied	ATEX ¹⁾	102125 CES-A-BPA-EX

Technical data

Parameter	min.	Value typ.	max.	Unit
Housing material		PPS		
Weight		0.025		kg
Degree of protection acc. to IEC 60529		IP67/IP69K		
Ambient temperature	-25	-	+70	°C
Installation position		Active face opposite read head		
Power supply		Inductive via read head		

1) EX II 3G Ex nL II C T70 °C (zone 2, gases)
EX II 3D Ex tD A22 T70 °C (zone 2, dusts)

Position actuator CES-A-NBA-...

- ▶ Rectangular design
42 x 25 mm
- ▶ Actuator number printed on the housing

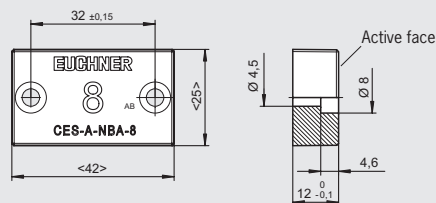


For possible combinations see page 83

Position actuator CES-A-NBA-...



Dimension drawing



2 safety screws
M4x14 included

Ordering table

Series	Comment	Actuator number	Order no. / item
CES-A-NBA...	2 safety screws M4 x 14 are supplied	2	090682 CES-A-NBA-2
		3	090683 CES-A-NBA-3
		4	090684 CES-A-NBA-4
		5	090685 CES-A-NBA-5
		6	090686 CES-A-NBA-6
		7	090687 CES-A-NBA-7
		8	090688 CES-A-NBA-8
		9	090689 CES-A-NBA-9
		A	090690 CES-A-NBA-A
		B	090691 CES-A-NBA-B
		C	090692 CES-A-NBA-C
		D	090693 CES-A-NBA-D
		E	090694 CES-A-NBA-E
		F	090695 CES-A-NBA-F

CES-A-.5

Technical data

Parameter	Value			Unit
	min.	typ.	max.	
Housing material	Fortron, reinforced thermoplastic, fully encapsulated			
Housing color	green			
Dimensions	42 x 25 x 12			mm
Weight	0.02			kg
Ambient temperature	-25	-	+70	°C
Degree of protection	IP67			
Installation position	Active face opposite read head			
Power supply	Inductive via read head			
Storage capacity	4 bits (1 BCD digit)			
Data retention time	20			years

Actuator CES-A-BRN

- Rectangular design
80 x 40 mm

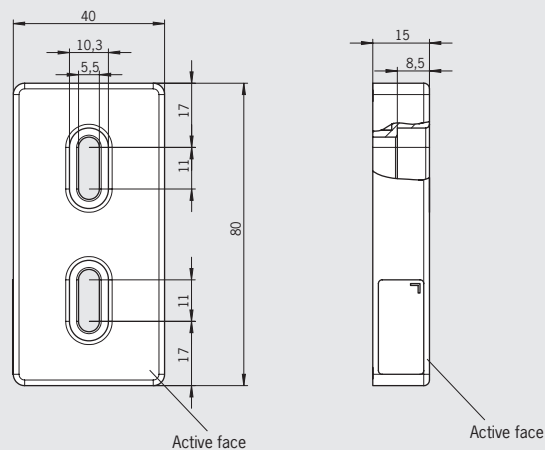


For possible combinations see page 99

Actuator CES-A-BRN



Dimension drawing



Ordering table

Series	Comment	Version	Order no.
CES-A-BRN	2 safety screws M5 x 16 are supplied	-	100251 CES-A-BRN-100251

Technical data

Parameter	min.	Value typ.	max.	Unit
Housing material		PPS		
Dimensions		80 x 40 x 15		mm
Weight		0.06		kg
Ambient temperature	-25	-	+70	°C
Degree of protection acc. to EN IEC 60529		IP67		
Installation position		Active face opposite read head		
Power supply		Inductive via read head		

Actuator CES-A-BLN...

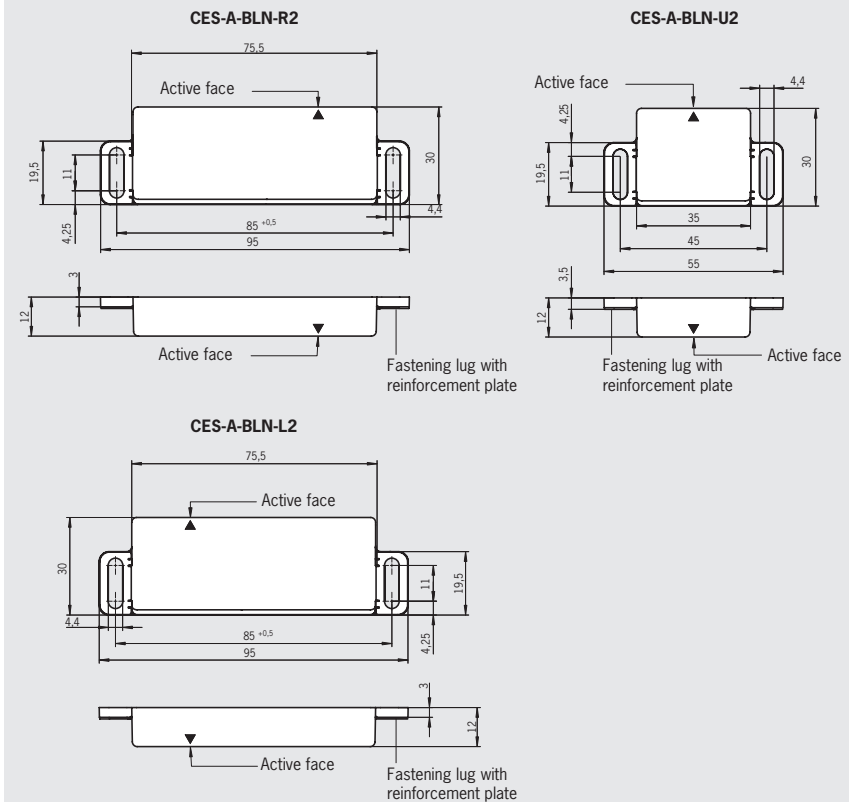
- Rectangular design 55 x 30 mm and 95 x 30 mm



For possible combinations see page 114

Actuator CES-A-BLN...

Dimension drawing



Ordering table

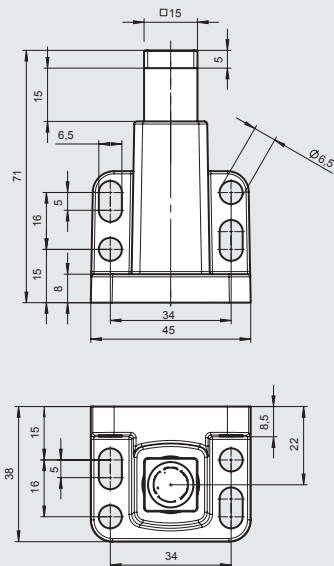
Series	Comment	Version	Order no./Article
Actuator CES-A-BLN...	2 safety screws M4 X 14 and reinforcement plates included	95 mm x 30 mm x 12 mm Door hinge right	100776 CES-A-BLN-R2-100776
		95 mm x 30 mm x 12 mm Door hinge left	104510 CES-A-BLN-L2-104510
		55 mm x 30 mm x 12 mm Usage independent of position of door hinge	103450 CES-A-BLN-U2-103450

Technical data

Parameter	min.	Value typ.	max.	Unit
Housing material		Plastic PBT		
Dimensions - CES-A-BLN-R2/CES-A-BLN-L2 - CES-A-BLN-U2		95 x 30 x 12 55 x 30 x 12		mm
Weight - CES-A-BLN-R2/CES-A-BLN-L2 - CES-A-BLN-U2		0.04 0.02		kg
Ambient temperature	- 40	-	+ 70	°C
Degree of protection according to EN 60529		IP67/IP69K		
Installation position		Active face opposite read head		
Power supply		Inductive via read head		

Accessories

Actuator CET-A-BWK-50X for safety switch CET-AR



Ordering table

Designation	Version/usage	Order no. / item
Actuator for read head CET-AR	Locking force 6500 N (incl. safety screws)	096327 CET-A-BWK-50X
Safety screws M5 x 16	For actuator CET-A-BWK-50X (replacement) packaging unit: 100 ea.	073456 M5x16/V100
Handle for wire front release (Bowden)	For safety switch CET-AR with wire front release (bowden)	099795 Handle for wire front release (Bowden)