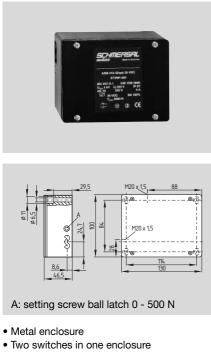
Solenoid interlocks

AZM 415



- Problem-free opening of stressed doors by means of bell-crank system
- Robust design
- Long life
- High holding force 3500 N
- Adjustable ball latch to 500 N
- Various manual and
- emergency releases available
- Power to unlock/power to lock principle
- 2 cable entries M20 x 1.5
- EEx version available

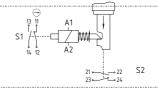
Technical data

Standards:	IEC/EN 60947-5-1 BG-GS-ET-19
Enclosure:	light-alloy die-cast, enamel finish
Actuator and	charter inion
locking bolt:	zinc-plated metal /
	aluminium
Protection class:	IP 54
	ordering suffix F: IP 67
Contact materials	to EN 60529
Contact material: Contact type:	silver change-over contact
21	with double break, type Zb
	or 2 NC contacts,
,	with galvanically separated
	contact bridges
Switching system:	⊖ IEC 60947-5-1
	slow action,
	ontacts with positive break
Termination:	screw terminals
Cable section:	max. 2.5 mm ² (incl. conductor ferrules)
Cable entry:	(incl. conductor terrules) $2 \times M20 \times 1.5$
U _{imp} :	2 x 10/20 x 1.3 4 kV
U _i :	250 V
I _{the} :	6 A
Utilisation category:	AC-15
I _e /U _e :	4 A / 230 VAC
Max. fuse rating:	6 A gL/gG D-fuse
Positive break travel:	
Positive break force:	min. 15 N
	(depending on the setting of the ball latch)
Magnet:	100% ED
U _s :	12 VDC
- 3.	24 VAC/DC
	110 VAC, 50/60 Hz
	230 VAC, 50/60 Hz
Power consumption:	max. 10 W
Ambient temperature	
Mechanical life:	> 1 million operations
F _{max} : Latching force:	3500 N 0 - 500 N (adjustable)
Laterning loice.	0 - JUU IN (AUJUSTADIE)

Contact variants

Power to unlock 2 NO

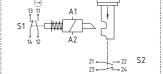
2 NC



Power to lock 2 NO

2 NC

Note



Approvals

🖉 (UL) 🚯

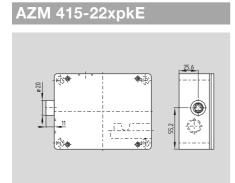
Ordering details

Ordering details

CE

AZM 415 -22①pk②③-④-⑤						Contact symbols shown for the closed
No.	Replace	Description	No.	Replace	Description	condition of the guard device. The contacts 11-12 and 13-14 are actuated
1	x	Protection class IP 54	4	12 VDC	Us 12 VDC	when the solenoid A1-A2 is energised or
	z	Protection class IP 67		24 VAC/DC	Us 24 VAC/DC	de-energised. Contact 11-12 must be integrat-
2		Power to unlock		110 VAC	Us 110 VAC	ed in the safety circuit.
	а	Power to lock		230 VAC	Us 230 VAC	
3		Without manual release	5	1637	Gold-plated contacts	Interlocks with power to lock principle may
	E	Manual release:				only be used in special cases after a thorough
		Using triangular key				evaluation of the accident risk, since the
	F	Using triangular key				guarding device can immediately be opened
		(secured with locking				on failure of the electrical power supply or
		screw)				when the main switch is opened.
	RS	With key				
	Т	Emergency exit				Actuators and connector plugs must be
		using latched pushbutton				ordered separately.
	NS	Emergency release				
		using lock button				

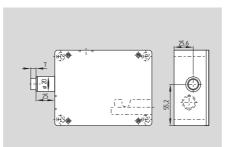
Solenoid interlocks



Manual release

- Manual release by means of M5 triangular key
- M5 triangular key, available as accessory
- For maintenance, installation, etc.
- Only used on units with power to unlock principle





- Emergency release
- Emergency release is used where an "inadvertently locked-in" person must leave a dangerous, already interlocked area
- Release by pressing in the lock button
- Resetting can only be carried out by
- authorized personnel using keyIn unlocked position the guard device

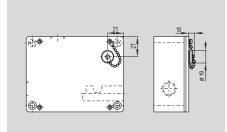
¢a,à

is protected against unintented closing

AZM 415-22xpkT

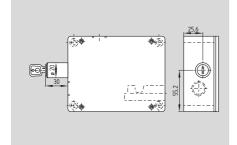
(HT)





- Manual release
- Release by means of M5 triangular key After removing the sealing screw, manual release can be carried out using a M5 triangular key
- M5 triangular key, available as accessory
- A chain secures the sealing plug against loss
- Only used on units with power to unlock principle

AZM 415-22xpkRS



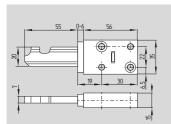
- Manual release
- Release by means of cylinder lock
- Resetting can only be carried out by authorized personnel using key
- Only used on units with power to unlock principle
- In unlocked position the guard device is protected against unintented closing

SCHMERSAL

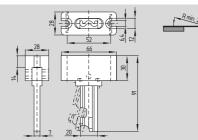
- Emergency exit
- The emergency release is used where an intervention in an already locked hazardous area is required
- Escape release by pressing the red push button
- Reset is carried out by pressing the latching pin
- In unlocked position the guard device is protected against unintented closing

Solenoid interlocks

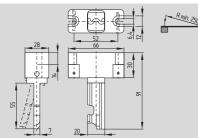
System components



Straight actuator AZM 415-B1

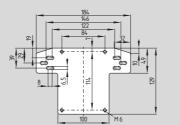


Flexible actuator AZM 415-B2

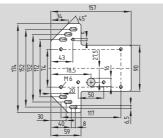


Flexible actuator AZM 415-B3

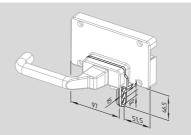




Mounting plate MP AZM 415-22



Mounting plate MP AZ/AZM 415-B30

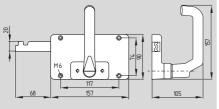


Lockout tag SZ 415-1/-2

Triangular key M5

Mounting plate

Mounting plate



Actuator AZM 415-B30

Ordering details

Straight actuator Flexible actuator Flexible actuator

Actuator with or without emergency handle

A detailed product description can be found in the "Safety door andle system STS" brochure.

AZ/AZM 415-B1 AZ/AZM 415-B2 AZ/AZM 415-B3

Lockout tag Triangular key M5 AZ/AZM 415-B30



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