

Auxiliary contact blocks SZ-A

■ **Features**

- Easy attaching of auxiliary contact block
- This contact block can be attached to magnetic motor starter and contactor with a snap-on fitting. Auxiliary contacts can be added easily at site. When a front mounting block is used, there is no need to enlarge contactor installation space. This helps to make the control panel smaller.
- Bifurcated contact is standard
- High reliable bifurcated contact makes it possible to input directly to electronic control circuits like programmable logic controllers.
- Auxiliary contact block with single button contacts is also available.
- Terminal number conforms to IEC standard

■ **Standards**

Except overlap and single button contact type



■ **Performance**

Operating frequency: 1800 times/hour
 Mechanical durability: 10 million operations
 Electrical durability:
 500,000 operations (at 220V AC-15)

Type	Contact arrangement
Front mounting	
SZ-A40, A40H	4NO
SZ-A31, A31H	3NO+1NC
SZ-A22, A22H	2NO+2NC
SZ-A20	2NO
SZ-A11	1NO+1NC
SZ-A02	2NC
SZ-A111	1NO+1NC (Overlapping)
SZ-A222	2NO+2NC (Overlapping)
Side mounting	
SZ-AS1, AS1H	1NO+1NC
SZ-AS2, AS2H	1NO+1NC
SZ-AS3H	1NO+1NC

■ **Caution on use**

1. Front mounting auxiliary contact block and side mounting block cannot be attached to one contactor at the same time.
2. Only one front mounting block can be attached to one contactor.
3. Where mechanical latch unit is already attached, only side mounting auxiliary contact block can be attached.
4. Where interlock unit is already attached, side mounting auxiliary contact block can be attached on one side only.



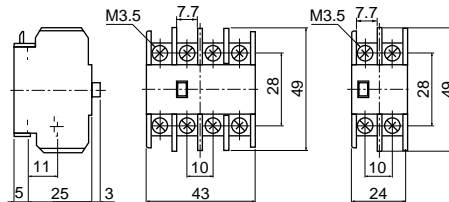
■ **Ratings**

Type	Thermal current (A)	Make/break current (A)	Rated operational current (A)*2			Minimum voltage/current
			AC Voltage	Ind. load (AC-15)	Res. load (AC-12)	
SZ-A□	10	60 (60)	110V	6 (6)	10 (10)	5V DC
SZ-AS1		30 (60)	220V	3 (6)	8 (10)	3 mA
SZ-AS2		15 (40)	440V	1.5 (4)	5 (10)	(24 V DC
SZ-A□H		12 (25)	550V	1.2 (2.5)	5 (10)	10mA)
SZ-AS1H						
SZ-AS2H						
SZ-AS3H						

Note: *1 Enter the contact arrangement code in the □ mark.
 *2 DC ratings: Same as the auxiliary contact ratings of standard type contactors or contactors with single button contacts.
 • () : In case of SZ-A□H (single button contact)

■ **Dimensions, mm**

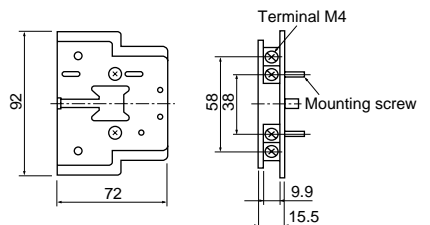
SZ-A40, A40H, A31, A31H, A22, A22H, A222
 SZ-A20, A11, A02, A111



Mass: 36g

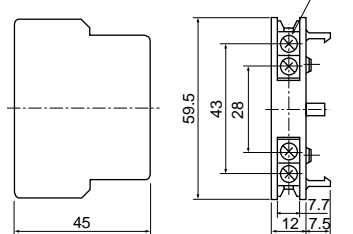
Mass: 20g

SZ-AS3H



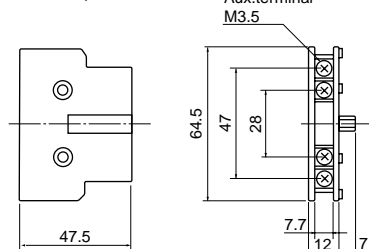
Mass: 75g

SZ-AS1, AS1H



Mass: 28kg

SZ-AS2, AS2H



Mass: 33kg

■ **Contact arrangement**

SZ-A40, A40H	SZ-A20	SZ-AS1, AS2, AS1H, AS2H, AS3H
4NO	2NO	1NO+1NC
53 63 73 83 54 64 74 84	53 63 54 64	53 61 54 62 In case of left side mounting
SZ-A31, A31H	SZ-A11	
3NO+1NC	1NO+1NC	
53 61 73 83 54 62 74 84	53 61 54 62	
SZ-A22, A22H	SZ-A02	SZ-AS1, AS2, AS1H, AS2H, AS3H
2NO+2NC	2NC	1NO+1NC
53 61 71 83 54 62 72 84	51 61 52 62	71 83 72 84
SZ-A222	SZ-A111	
2NO+2NC	1NO+1NC	In case of right side mounting
57 65 75 87 58 66 76 88	57 65 58 66	