

SAFETY DOOR LOCK



Apperance			
Standard		EN60947-5-1、GB14048.5	
Degree of protection		IP67	
Material		PA66 Flame retardant	
Usage count	Machiane	More than 1 million times	
	Electric	More than 500,000 times (AC240V 3A, resistive load)	
Type	AC-15		DC-13
Operating voltage	240V		24V
Operating current	3A		2A
Contact resistanc	Less than 25mΩ		
Rated open current	10A		
Rated insulation voltage	300V		
Protection against electric shock	Class II (double insulation)		
Pulse voltage	2.5KV		
Insulation resistance	More than100mω		
Short circuit protection device	10A, 250V Requires quick-blow fuse		
Vibration resistance	10-55HZ Double amplitude 1.5mm		
Shock proof	Durable	1000m/s ²	
	Misoperation	300m/s ²	
Conditional short circuit current	100A		
Contact pitch	More than 2x2mm		
Forced breaking force	Min 60n		
Force break line pretravel	More than 10mm		
Operating speed	0.1m ~ 0.5m/s		
Allowable operating frequency	Up to 30 operations/minute		
Pull strength when locked	1300N		
Pollution degree (use environment)	3 (EN60947-5-1)		
Ambient temperature	-10°C ~ + 50°C without freezing		
Use environment	Less than 95%rh		
Model NO.	AR3 Series		

Selection coding rules

AR ① - ② ③ ④ ⑤

NO.	Classification	Explanation of model numbers
①	Installation method	1: Horizontal installation 2: Vertical installation
②	Conduit port/connector size	3: Adjustable mount (horizontal) 4: Adjustable mount (horizontal/vertical)
③	Switch contacts (door opening and closing detectiontest switch + lock monitoring switch	P: Pg 13.5 terminal type M: M20 terminal type
		A: 1NC Slow contact + 1NO Slow contact
		B: 2NC Slow contact + 1NC/NO Slow contact
		C: 1NC Slow contact + 1NC Slow contact

NO.	Classification	Explanation of model numbers
③	Switch contacts (door opening and closing detection test switch + lock monitoring switch)	D: 1NC Slow contact + 2NC Slow contact E: 2NC Slow contact + 2NO Slow contact F: 1NC Slow contact + 1NC/NO Slow contact G: 2NC Slow contact + 2NC Slow contact
④	Head installation direction	P: Choice of four mounting orientations (delivered front mounting) / plastic U: Choice of four mounting orientations (delivered front mounting) / metal
⑤	Door lock/release method	A: Mechanical lock/DC24V electromagnetic release B: Mechanical lock/AC110V electromagnetic release G: DC24V electromagnetic lock/mechanical release H: AC110V electromagnetic lock/mechanical release

