

AR series

Control switch (Ø22, Ø25)

- Convenient attachment and detachment of control and switch sections
- Compatible with both Ø22 and Ø25, and with the use of mounting brackets, up to Ø30 can be accommodated.



Specification

Model	Push button switch	
	Flush	Push button selector
Appearance		
Actuator code	ARF-F	ARF-S

Model	Illuminated pushbutton switch			
	Protrusion	Full guard	ON/OFF	I/O
Appearance				
Actuator code	ARX-P	ARX-G	ARX-S	ARX-S2

Model	Indicator light		Key selector switch
	AC	DC	
Appearance			
Actuator code	ARP-A0	ARP-D0	ARK-2, 2R, 3, 3L, 3R, 3LR

Model	Selector switch	Illuminated selector switch	Emergency stop switch
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	Lever	Lever		
Appearance				
Actuator code	ARS-S, L	ART-2, 2R, 3	ARE-3, 4	ARE-4XR

■ Suffix code

Model	Code	Content
ARF-	<input type="checkbox"/>	Push button switch
ARX-	<input type="checkbox"/>	Illuminated pushbutton switch
ARP-	<input type="checkbox"/>	Indicator light
ARS-	<input type="checkbox"/>	Selector switch
ART-	<input type="checkbox"/>	Illuminated selector switch
ARK-	<input type="checkbox"/>	Key selector switch
ARE-	<input type="checkbox"/>	Emergency stop switch
ARE-	<input type="checkbox"/>	Illuminated emergency stop switch

■ Push button switch

■ ARF

Model	Push button switch	
	Columnar	Columnar
Appearance		
Actuator code	ARF-F	ARF-S
Contact Structure	M3.5 Threaded, 1a1b	
Contact Behavior	Slow-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	
Terminal Tightening Torque	0.8 N-m or less	
Rated voltage	250 V a.c.	

Current Rating		5A 250 V a.c.
Open/Close Frequency		30 times / minute
Insulation resistance		100 MΩ or more (500 V d.c.)
Dielectric strength		2,000 V a.c. 50 / 60 Hz 1 minute
Contact resistance		50 mΩ or less (Initial values)
Vibration resistance		10 ~ 55 Hz double amplitude 1.5 mm
Shock resistance	Durability	300 m/s ² or more (30 G or more)
	Malfunction	100 m/s ² or more (10 G or more)
Life	Mechanical	500,000 times or more
	Electrical	100,000 times or more (Rated load)
LAMP Input Power		100 - 240 V a.c. / 4.4 VA or less (Voltage drop type LED capacitor)
		380 V a.c. / 2.7 VA or less (Voltage drop type LED capacitor)
		12 - 24 V d.c. / a.c. / 18 mA or less (LED resistor voltage dropping method)
Ambient temperature		-20 ~ 55 °C (Without condensation or icing)
Ambient humidity		45 ~ 85% RH
Preservation ambient temperature		-40 ~ 70 °C

■ Illuminated pushbutton switch

■ ARX

Model	Illuminated pushbutton switch			
	Protrusion	Full guard type	ON-OFF push type	I / O
Appearance				
Actuator code	ARX-P	ARX-G	ARX-S	ARX-S2 ※ ARX-S2 indication I and O are optional
Contact Structure	M3.5 Threaded, 1a1b			
Contact Behavior	Slow-action			
Installation panel thickness	1 ~ 6 mm (Without accessories)			
Terminal Tightening Torque	0.8 N-m or less			
Rated voltage	250 V a.c.			

Current Rating		5A 250 V a.c.	
Open/Close Frequency		30 times / minute	
Insulation resistance		100 MΩ or more (500 V d.c.)	
Dielectric strength		2,000 V a.c. 50 / 60 Hz 1 minute	
Contact resistance		50 mΩ or less (Initial values)	
Vibration resistance		10 ~ 55 Hz double amplitude 1.5 mm	
Shock resistance	Durability	300 m/s ² or more (30 G or more)	
	Malfunction	100 m/s ² or more (10 G or more)	
Life	Mechanical	500,000 times or more	
	Electrical	100,000 times or more (Rated load)	
LAMP Input Power		100 - 240 V a.c. / 4.4 VA or less (Voltage drop type LED capacitor)	
		380 V a.c. / 2.7 VA or less (Voltage drop type LED capacitor)	
		12 - 24 V d.c. / a.c. / 18 mA or less (LED resistor voltage dropping method)	
Ambient temperature		-20 ~ 55 °C (Without condensation or icing)	
Ambient humidity		45 ~ 85% RH	
Preservation ambient temperature		-40 ~ 70 °C	
Certification			
		 ※ Only with AR-112	

■ Selector switch

▪ ARS

Model	Selector switch	
	Lever	
Appearance		
Actuator code	ARS-S,L	
Contact Structure	M3.5 Threaded, 1a1b	
Contact Behavior	Slow-action	

Installation panel thickness	1 ~ 6 mm (Without accessories)	
Terminal Tightening Torque	0.8 N-m or less	
Rated voltage	250 V a.c.	
Current Rating	5A 250 V a.c.	
Open/Close Frequency	30 times / minute	
Insulation resistance	100 MΩ or more (500 V d.c.)	
Dielectric strength	2,000 V a.c. 50 / 60 Hz 1 minute	
Contact resistance	50 mΩ or less (Initial values)	
Vibration resistance	10 ~ 55 Hz double amplitude 1.5 mm	
Shock resistance	Durability	300 m/s ² or more (30 G or more)
	Malfunction	100 m/s ² or more (10 G or more)
Life	Mechanical	500,000 times or more
	Electrical	100,000 times or more (Rated load)
LAMP Input Power	100 - 240 V a.c. / 4.4 VA or less (Voltage drop type LED capacitor)	
	380 V a.c. / 2.7 VA or less (Voltage drop type LED capacitor)	
	12 - 24 V d.c. / a.c. / 18 mA or less (LED resistor voltage dropping method)	
Ambient temperature	-20 ~ 55 °C (Without condensation or icing)	
Ambient humidity	45 ~ 85% RH	
Preservation ambient temperature	-40 ~ 70 °C	

■ Illuminated selector switch

▪ ART

Model	Illuminated selector switch	
	Lever	
Appearance		
Actuator code	ART-2, 2R, 3	
Contact Structure	M3.5 Threaded, 1a1b	
Contact Behavior	Slow-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	

Terminal Tightening Torque		0.8 N-m or less
Rated voltage		250 V a.c.
Current Rating		5A 250 V a.c.
Open/Close Frequency		30 times / minute
Insulation resistance		100 MΩ or more (500 V d.c.)
Dielectric strength		2,000 V a.c. 50 / 60 Hz 1 minute
Contact resistance		50 mΩ or less (Initial values)
Vibration resistance		10 ~ 55 Hz double amplitude 1.5 mm
Shock resistance	Durability	300 m/s ² or more (30 G or more)
	Malfunction	100 m/s ² or more (10 G or more)
Life	Mechanical	500,000 times or more
	Electrical	100,000 times or more (Rated load)
LAMP Input Power		100 - 240 V a.c. / 4.4 VA or less (Voltage drop type LED capacitor)
		380 V a.c. / 2.7 VA or less (Voltage drop type LED capacitor)
		12 - 24 V d.c. / a.c. / 18 mA or less (LED resistor voltage dropping method)
Ambient temperature		-20 ~ 55 °C (Without condensation or icing)
Ambient humidity		45 ~ 85% RH
Preservation ambient temperature		-40 ~ 70 °C

■ Key selector switch

■ ARK

Model	Key selector switch	
Appearance		
Actuator code	ARK-2, 2R, 3, 3L, 3R, 3LR	
Contact Structure	M3.5 Threaded, 1a1b	
Contact Behavior	Slow-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	
Terminal Tightening Torque	0.8 N-m or less	
Rated voltage	250 V a.c.	

Current Rating		5A 250 V a.c.
Open/Close Frequency		30 times / minute
Insulation resistance		100 MΩ or more (500 V d.c.)
Dielectric strength		2,000 V a.c. 50 / 60 Hz 1 minute
Contact resistance		50 mΩ or less (Initial values)
Vibration resistance		10 ~ 55 Hz double amplitude 1.5 mm
Shock resistance	Durability	300 m/s ² or more (30 G or more)
	Malfunction	100 m/s ² or more (10 G or more)
Life	Mechanical	500,000 times or more
	Electrical	100,000 times or more (Rated load)
LAMP Input Power		100 - 240 V a.c. / 4.4 VA or less (Voltage drop type LED capacitor)
		380 V a.c. / 2.7 VA or less (Voltage drop type LED capacitor)
		12 - 24 V d.c. / a.c. / 18 mA or less (LED resistor voltage dropping method)
Ambient temperature		-20 ~ 55 °C (Without condensation or icing)
Ambient humidity		45 ~ 85% RH
Preservation ambient temperature		-40 ~ 70 °C

■ Indicator light

■ ARP

Model	Indicator light	
	Flush type	Roulette type
Appearance		
Actuator code	ARP-A0	ARP-D0
Contact Structure	M3.5 Threaded, 1a1b	
Contact Behavior	Slow-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	
Terminal Tightening Torque	0.8 N-m or less	
Rated voltage	250 V a.c.	
Current Rating	5A 250 V a.c.	

Open/Close Frequency		30 times / minute
Insulation resistance		100 MΩ or more (500 V d.c.)
Dielectric strength		2,000 V a.c. 50 / 60 Hz 1 minute
Contact resistance		50 mΩ or less (Initial values)
Vibration resistance		10 ~ 55 Hz double amplitude 1.5 mm
Shock resistance	Durability	300 m/s ² or more (30 G or more)
	Malfunction	100 m/s ² or more (10 G or more)
Life	Mechanical	500,000 times or more
	Electrical	100,000 times or more (Rated load)
LAMP Input Power		100 - 240 V a.c. / 4.4 VA or less (Voltage drop type LED capacitor)
		380 V a.c. / 2.7 VA or less (Voltage drop type LED capacitor)
		12 - 24 V d.c. / a.c. / 18 mA or less (LED resistor voltage dropping method)
Ambient temperature		-20 ~ 55 °C (Without condensation or icing)
Ambient humidity		45 ~ 85% RH
Preservation ambient temperature		-40 ~ 70 °C

■ Emergency stop switch

■ ARE

Model	Emergency stop switch
Appearance	
Actuator code	ARE-3, 4
Contact Structure	M3.5 Threaded, 1a1b
Contact Behavior	Slow-action
Installation panel thickness	1 ~ 6 mm (Without accessories)
Terminal Tightening Torque	0.8 N-m or less
Rated voltage	250 V a.c.
Current Rating	5A 250 V a.c.
Open/Close Frequency	30 times / minute
Insulation resistance	100 MΩ or more (500 V d.c.)

Dielectric strength		2,000 V a.c. 50 / 60 Hz 1 minute
Contact resistance		50 mΩ or less (Initial values)
Vibration resistance		10 ~ 55 Hz double amplitude 1.5 mm
Shock resistance	Durability	300 m/s ² or more (30 G or more)
	Malfunction	100 m/s ² or more (10 G or more)
Life	Mechanical	500,000 times or more
	Electrical	100,000 times or more (Rated load)
LAMP Input Power		100 - 240 V a.c. / 4.4 VA or less (Voltage drop type LED capacitor)
		380 V a.c. / 2.7 VA or less (Voltage drop type LED capacitor)
		12 - 24 V d.c. / a.c. / 18 mA or less (LED resistor voltage dropping method)
Ambient temperature		-20 ~ 55 °C (Without condensation or icing)
Ambient humidity		45 ~ 85% RH
Preservation ambient temperature		-40 ~ 70 °C
Certification		
		

■ Emergency stop switch

■ ARE-XR

Model	Emergency stop switch
Appearance	
Actuator code	ARE-4XR
Contact Structure	M3.5 Threaded, 1a1b
Contact Behavior	Slow-action
Installation panel thickness	1 ~ 6 mm (Without accessories)
Terminal Tightening Torque	0.8 N-m or less
Rated voltage	250 V a.c.
Current Rating	5A 250 V a.c.

Open/Close Frequency		30 times / minute
Insulation resistance		100 MΩ or more (500 V d.c.)
Dielectric strength		2,000 V a.c. 50 / 60 Hz 1 minute
Contact resistance		50 mΩ or less (Initial values)
Vibration resistance		10 ~ 55 Hz double amplitude 1.5 mm
Shock resistance	Durability	300 m/s ² or more (30 G or more)
	Malfunction	100 m/s ² or more (10 G or more)
Life	Mechanical	500,000 times or more
	Electrical	100,000 times or more (Rated load)
LAMP Input Power		100 - 240 V a.c. / 4.4 VA or less (Voltage drop type LED capacitor)
		380 V a.c. / 2.7 VA or less (Voltage drop type LED capacitor)
		12 - 24 V d.c. / a.c. / 18 mA or less (LED resistor voltage dropping method)
Ambient temperature		-20 ~ 55 °C (Without condensation or icing)
Ambient humidity		45 ~ 85% RH
Preservation ambient temperature		-40 ~ 70 °C