

DR series



Control switch (Ø16, Ø22)



- Ø16, Ø22 series
- 1a1b one-body type
- Long life with the bright LED light source
- Assembling type (actuator and contact part)





Specification

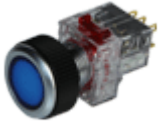

+ Push button switch

Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRF-A	DRF-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRF-K	DRF-T



Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRF-S	DRF-O

+ Illuminated pushbutton switch



Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRX-A	DRX-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code		



Appearance		
Actuator code	DRX-K	DRX-T

Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRX-S	DRX-O



+ Indicator light



Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRP-A	DRP-R


Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRP-K	DRP-T

Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRP-S	DRP-O



+ Selector switch

Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRS-A	DRS-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRS-K	DRS-T

Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRS-S	DRS-O

+ Illuminated selector switch



Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRT-A	DRT-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRT-K	DRT-T

Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRT-S	DRT-O

+ KEY selector switch


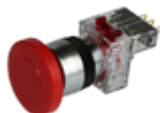




Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16


Appearance		
Actuator code	DRK-A	DRK-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRK-K	DRK-T

Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRK-S	DRK-O


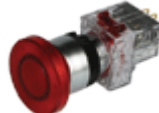




+ Emergency stop switch







Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRE-AM	DRE-RM
Appearance		
Actuator code	DRE-AA (Self-holding)	DRE-RA (Self-holding)
Appearance		
Actuator code	DRE-AR	DRE-RR

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRE-KM	DRE-TM

Appearance		
Actuator code	DRA-KA (Self-holding)	DRA-TA (Self-holding)
Appearance		
Actuator code	DRE-KR	DRE-TR



+ Illuminated emergency stop switch



Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRA-AM	DRA-RM
Appearance		
Actuator code	DRA-AA (Self-holding)	DRA-RA (Self-holding)
Appearance		
Actuator code	DRA-AR	DRA-RR



Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRA-KM	DRA-TM
Appearance		
Actuator code	DRA-KA (Self-holding)	DRA-TA (Self-holding)
Appearance		
Actuator code	DRA-KR	DRA-TR

+ DRF


- Push button switch

Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRF-A	DRF-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRF-K	DRF-T


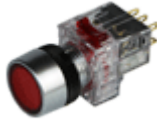
Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRF-S	DRF-O



- Specification



Contact Structure	1c contact	
Contact Behavior	Snap-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	
Rated voltage	250 V a.c.	
Current Rating	3 A 250 V a.c.	
Insulation resistance	100 MΩ or more (500 V d.c.)	
Dielectric strength	1,500 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	1,000,000 times or more
	Electrical	200,000 times or more (Rated load)
LAMP Input Power	100 - 240 V a.c. (LED resistor voltage dropping method)	
	12 - 24 V d.c. / a.c. (LED resistor voltage dropping method)	
Ambient temperature	-10 ~ 50 °C (Without condensation or icing)	
Ambient humidity	45 ~ 85 % RH	
Preservation ambient temperature	-40 ~ 70 °C	
Certification		

+ DRX


- Illuminated pushbutton switch

Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRX-A	DRX-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRX-K	DRX-T



Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRX-S	DRX-O

- Specification



Contact Structure	1c contact	
Contact Behavior	Snap-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	
Rated voltage	250 V a.c.	
Current Rating	3 A 250 V a.c.	
Insulation resistance	100 MΩ or more (500 V d.c.)	
Dielectric strength	1,500 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	1,000,000 times or more
	Electrical	200,000 times or more (Rated load)
LAMP Input Power	100 - 240 V a.c. (LED resistor voltage dropping method)	
	12 - 24 V d.c. / a.c. (LED resistor voltage dropping method)	
Ambient temperature	-10 ~ 50 °C (Without condensation or icing)	
Ambient humidity	45 ~ 85 % RH	
Preservation ambient temperature	-40 ~ 70 °C	
Certification		

+ DRP


- Indicator light

Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRP-A	DRP-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRP-K	DRP-T



Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRP-S	DRP-O



- Specification

Contact Structure	1c contact	
Contact Behavior	Snap-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	
Rated voltage	250 V a.c.	
Current Rating	3 A 250 V a.c.	
Insulation resistance	100 MΩ or more (500 V d.c.)	
Dielectric strength	1,500 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	1,000,000 times or more
	Electrical	200,000 times or more (Rated load)
LAMP Input Power	100 - 240 V a.c. (LED resistor voltage dropping method)	
	12 - 24 V d.c. / a.c. (LED resistor voltage dropping method)	
Ambient temperature	-10 ~ 50 °C (Without condensation or icing)	
Ambient humidity	45 ~ 85 % RH	
Preservation ambient temperature	-40 ~ 70 °C	
Certification		

+ DRS

- Selector switch

Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRS-A	DRS-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRS-K	DRS-T

Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRS-S	DRS-O



- Specification

Contact Structure	1c contact	
Contact Behavior	Snap-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	
Rated voltage	250 V a.c.	
Current Rating	3 A 250 V a.c.	
Insulation resistance	100 MΩ or more (500 V d.c.)	
Dielectric strength	1,500 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	1,000,000 times or more
	Electrical	200,000 times or more (Rated load)
LAMP Input Power	100 - 240 V a.c. (LED resistor voltage dropping method)	
	12 - 24 V d.c. / a.c. (LED resistor voltage dropping method)	
Ambient temperature	-10 ~ 50 °C (Without condensation or icing)	
Ambient humidity	45 ~ 85 % RH	
Preservation ambient temperature	-40 ~ 70 °C	



Certification	
---------------	--

+ DRT

- Illuminated selector switch

Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRT-A	DRT-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRT-K	DRT-T

Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRT-S	DRT-O



- Specification

Contact Structure	1c contact	
Contact Behavior	Snap-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	
Rated voltage	250 V a.c.	
Current Rating	3 A 250 V a.c.	
Insulation resistance	100 MΩ or more (500 V d.c.)	
Dielectric strength	1,500 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	1,000,000 times or more
	Electrical	200,000 times or more (Rated load)
LAMP Input Power	100 - 240 V a.c. (LED resistor voltage dropping method)	
	12 - 24 V d.c. / a.c. (LED resistor voltage dropping method)	
Ambient temperature	-10 ~ 50 °C (Without condensation or icing)	
Ambient humidity	45 ~ 85 % RH	



Preservation ambient temperature	-40 ~ 70 °C
Certification	

+ DRK

- KEY selector switch


Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRK-A	DRK-R

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRK-K	DRK-T

Model	Plastic guard type	
	Square Ø16	Rectangular Ø16
Appearance		
Actuator code	DRK-S	DRK-O

- Specification







Contact Structure	1c contact	
Contact Behavior	Snap-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	
Rated voltage	250 V a.c.	
Current Rating	3 A 250 V a.c.	
Insulation resistance	100 MΩ or more (500 V d.c.)	
Dielectric strength	1,500 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	1,000,000 times or more
	Electrical	200,000 times or more (Rated load)
LAMP Input Power	100 - 240 V a.c. (LED resistor voltage dropping method)	
	12 - 24 V d.c. / a.c. (LED resistor voltage dropping method)	

Ambient temperature	-10 ~ 50 °C (Without condensation or icing)
Ambient humidity	45 ~ 85 % RH
Preservation ambient temperature	-40 ~ 70 °C
Certification	

+ DRE


- Emergency stop switch

Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRE-AM	DRE-RM
Appearance		
Actuator code	DRE-AA (Self-holding)	DRE-RA (Self-holding)
Appearance		
Actuator code	DRE-AR	DRE-RR

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRE-KM	DRE-TM
Appearance		
Actuator code	DRE-KA (Self-holding)	DRE-TA (Self-holding)
Appearance		
Actuator code	DRE-KR	DRE-TR

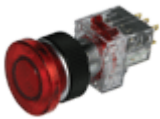
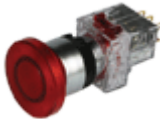
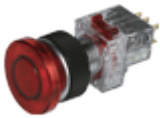



- Specification



Contact Structure	1c contact
Contact Behavior	Snap-action
Installation panel thickness	1 ~ 6 mm (Without accessories)

Rated voltage	250 V a.c.	
Current Rating	3 A 250 V a.c.	
Insulation resistance	100 MΩ or more (500 V d.c.)	
Dielectric strength	1,500 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	1,000,000 times or more
	Electrical	200,000 times or more (Rated load)
LAMP Input Power	100 - 240 V a.c. (LED resistor voltage dropping method)	
	12 - 24 V d.c. / a.c. (LED resistor voltage dropping method)	
Ambient temperature	-10 ~ 50 °C (Without condensation or icing)	
Ambient humidity	45 ~ 85 % RH	
Preservation ambient temperature	-40 ~ 70 °C	
Certification		

+ DRA

- Illuminated emergency stop switch

Model	Chrome plated guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRA-AM	DRA-RM
Appearance		
Actuator code	DRA-AA (Self-holding)	DRA-RA (Self-holding)
Appearance		
Actuator code	DRA-AR	DRA-RR

Model	Plastic guard type	
	Flat Ø22	Protrusion Ø16
Appearance		
Actuator code	DRA-KM	DRA-TM

Appearance		
Actuator code	DRA-KA (Self-holding)	DRA-TA (Self-holding)
Appearance		
Actuator code	DRA-KR	DRA-TR

- Specification

Contact Structure	1c contact	
Contact Behavior	Snap-action	
Installation panel thickness	1 ~ 6 mm (Without accessories)	
Rated voltage	250 V a.c.	
Current Rating	3 A 250 V a.c.	
Insulation resistance	100 MΩ or more (500 V d.c.)	
Dielectric strength	1,500 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	1,000,000 times or more
	Electrical	200,000 times or more (Rated load)
LAMP Input Power	100 - 240 V a.c. (LED resistor voltage dropping method)	
	12 - 24 V d.c. / a.c. (LED resistor voltage dropping method)	
Ambient temperature	-10 ~ 50 °C (Without condensation or icing)	
Ambient humidity	45 ~ 85 % RH	
Preservation ambient temperature	-40 ~ 70 °C	
Certification	