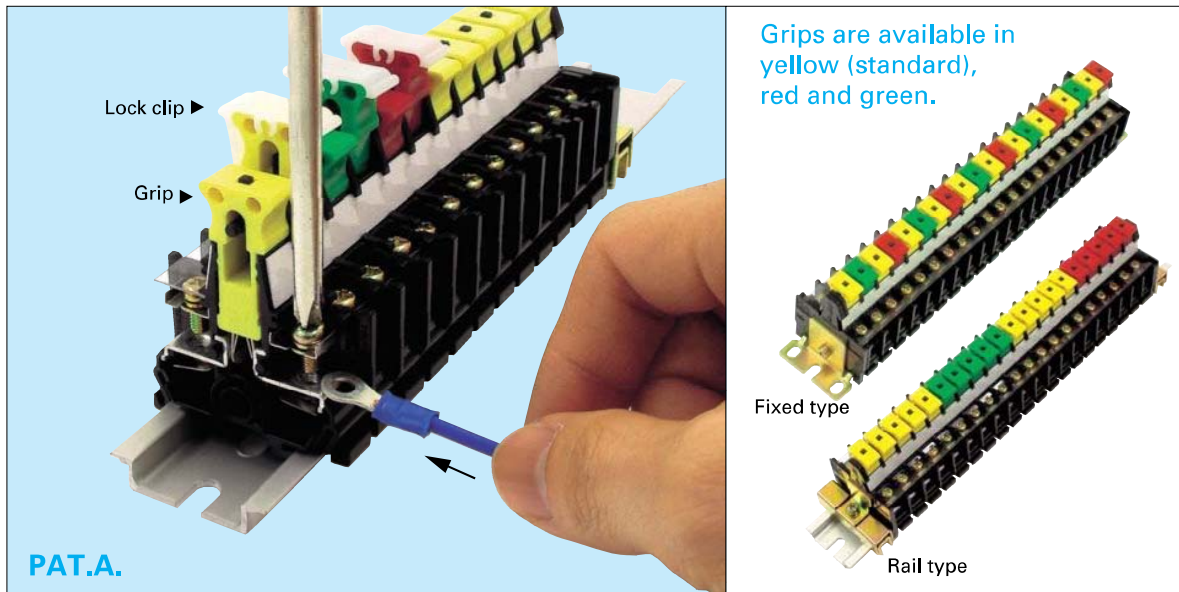


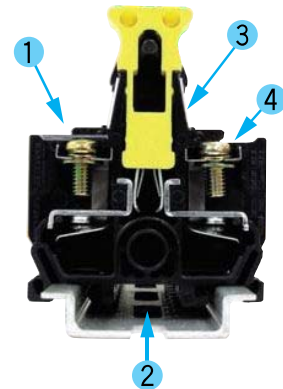
Significant Savings in Connection Time!

DC-JISTER Quick-Connect, Quick-Release Terminal Block



Features

- 1 Insert and connect round terminals quickly and securely. (Quick-release and self-release terminal screws also available.)
- 2 Can be rail-mounted (DIN and C rails).
- 3 10mm wide nameplate for easy labeling.
- 4 Terminal cover can be removed and attached.



Ratings and specifications

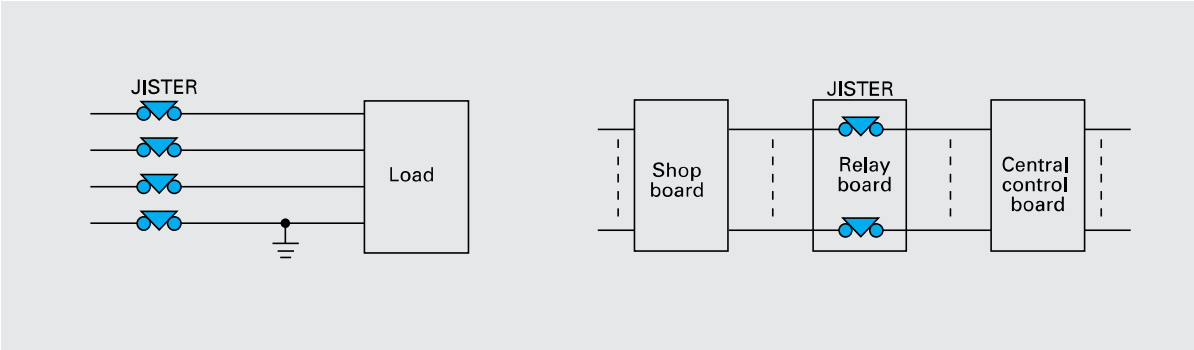
Rated dielectric strength	660 V
Rated current	20 A
Terminal screws	M4 x 8
Rec. wire diameter	3.5 mm ²
Max. wire diameter	5.5 mm ²
Heating	20°C maximum at connection point
Contact resistance	5mΩ max.

Insulation resistance		100 MΩ min. (DC500V megger)
Dielectric strength (commercial)		2500 V, 1 min.
Usage environment	Ambient temperature	-20 to +60°C (no ice or condensation)
	Relative humidity	45 to 85%
Standards		JISC2811 JISC8306 IEC947-1 (1988) IEC947-7-1 (1988)

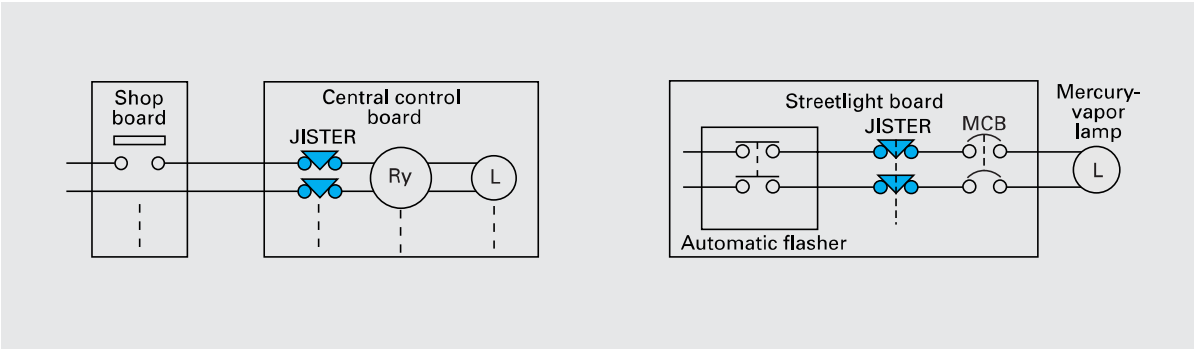


Sample applications

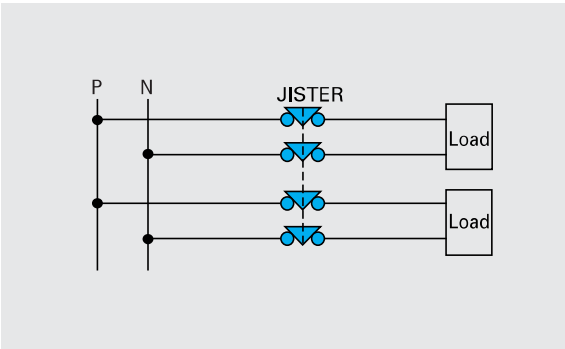
- For circuit ground detect and megger measurement



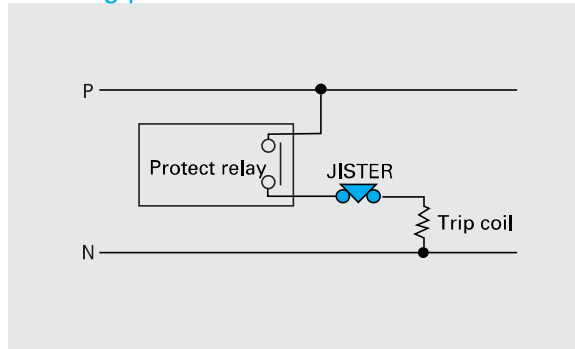
- Between supply and load circuits



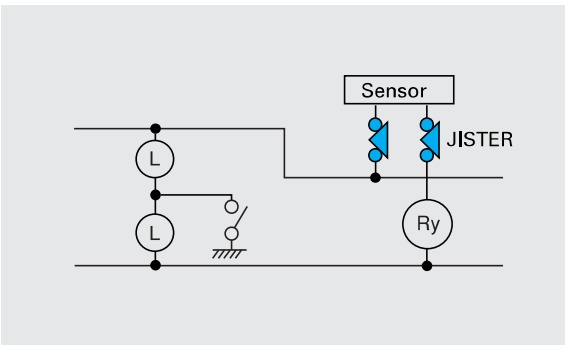
- For control power supply system selection



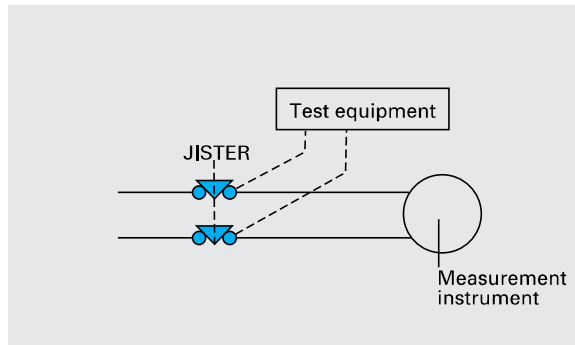
- For power-on and trip circuit lock during power-down work



- Open/close terminal for detection of circuit shorts

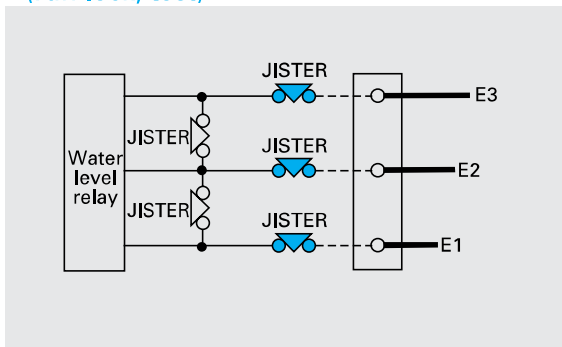


- Circuit breaker for tests with measurement instruments

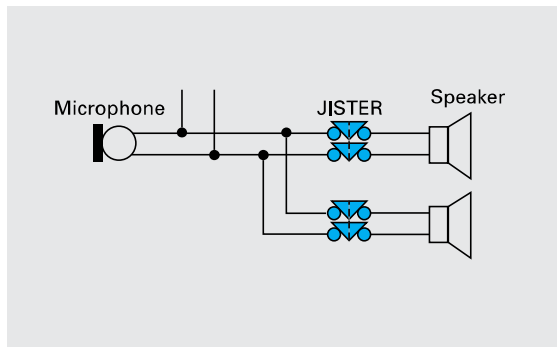


Sample applications

Water level relay connection terminal (run lock, test)



Relay breaker for in-house PA system



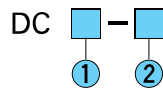
Parts list (see pages 3-4 for part types)

Part name	Appearance	Required qty. per set	Sales unit
DC unit (DC□-□)		As required	100 pcs.
DC end (DCE)		2	50 pcs.
Rail type	C and S rail fittings (HKC)	2	50 pcs.
	D and DA rail fittings (HKD)	2	50 pcs.
	C1 rail (C1) C2 rail (C2) S1 rail (S1) S2 rail (S2)	1	5 pcs.
<p>• Name: C1 rail (L=1000 mm) C2 rail (L=2000 mm) • Name: S1 rail (L=1000 mm) S2 rail (L=1000 mm)</p>			
D1 rail (D1) D2 rail (D2) DA1 rail (DA1) DA2 rail (DA2)		1	5 pcs.
<p>• Name: D1 rail (L=1000 mm) D2 rail (L=1000 mm) • Name: DA1 rail (L=1000 mm) DA2 rail (L=2000 mm)</p>			

Part name	Appearance	Required qty. per set	Sales unit
Fixed type	DC stopper (DCF)	2	50 pcs.
	Connecting shaft (DBS□-□)	As required	50 pcs.
	Connecting screw (DBJ)	As required	50 pcs.
Nameplate (plate)(HNS)	 0.5 mm x 10 mm x 900 mm (hard white PVC)	1	20 pcs.
Nameplate (roll) (HNR)	 0.5 mm x 10 mm x 25 m (hard white PVC)	1	1 pc.
Terminal cover (plate) (DCS)	 0.5 mm x 12 mm x 1000 mm (clear polycarbonate)	2	20 pcs.
Terminal cover (roll) (DCR)	 0.5 mm x 12 mm x 60 m (clear polycarbonate)	1	1 pc.
Lock clip (DBL)		As required	20 pcs.
Linkage pin (DBP)		As required	20 pcs.

Models

DC unit alone



① Terminal screw and contact specifications

Symbol	Specification			Quick-release	Contact treatment	
		※ Terminal screw			Movable contact	Fixed contact
		Detail	Treatment			
(none)	Standard	⊕⊖M4x8 screw+SW+W	Zn colored chromate	Yes	Sn plate	Sn plate
S	Special	⊕⊖M4x8 screw+SW	Zn colored chromate	No	Sn plate	Sn plate
W		⊕M4x8 screw+SW+W	Zn colored chromate	No	Sn plate	Sn plate
Y		M4x8 screw+SW+YW	Zn colored chromate	Yes	Sn plate	Sn plate
N		⊕M4x8 SUS screw+SPW+S-W	—	No	Sn plate	Sn plate
G		⊕⊖M4x8 screw+SW+W	Zn colored chromate	Yes	Au plate	Au plate

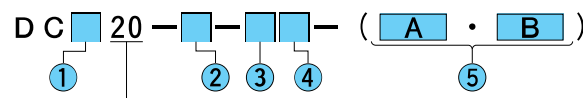
※ Terminal screw symbols:

SW: Spur-lock washer (Cu) SPW: Spring washer (SUS)
 W: Round washer (steel) S-W: Round washer (SUS)
 YW: Square washer (steel)

② Grip color

Symbol	Color
Y	Yellow
R	Red
G	Green

Assembled DC unit (fixed and rail types)



Rated current-carrying capacity

① Quick-release mechanism

Symbol	Quick-release mechanism
(none)	Yes
L	No

② Poles: Quantity shown

③ Assembly type

Symbol	Assembly type	
(none)	Fixed	
C	Rail type	C rails
S		S rails
D		D rails
DA		DA rails

④ Screw terminal specifications

Symbol	Specifications		
		※ Screw terminal	
		Details	Treatment
(none)	Standard	⊕⊖M4x8 screw+SW+W	Zn colored chromate
S	Special	⊕⊖M4x8 screw+SW	Zn colored chromate
W		⊕M4x8 screw+SW+W	Zn colored chromate
Y		M4x8 screw+SW+YW	Zn colored chromate
N		⊕M4x8 SUS screw+SPW+S-W	—
G		⊕⊖M4x8 screw+SW+W	Zn colored chromate

⑤ Rail mounting pitch and length

(only entered if specified)

A. Mounting pitch mm

B. Rail length mm

※ Unit assemblies come with yellow grips as standard, but red or green can be specified.

Options

Type	Part name	Specification
DCE	DC end	
HKC	C and S rail fittings	For C and S rails
HKD	D and DA rail fittings	For D and DA rails
C1	Rails	C1 rail
C2		C2 rail
S1		S1 rail
S2		S2 rail
D1		D1 rail
D2		D2 rail
DA1		DA1 rail
DA2		DA2 rail
DCF	DC stopper	Fitting for fixed-type
DBS-2	Connecting shaft	For 2P
DBS-3		For 3P
DBS-4		For 4P
DBS-10		For 10P
DBS-12		For 12P
DBS-15		For 15P
DBS-16		For 16P
DBS-20		For 20P
DBS-30		For 30P
DBJ	Connecting screw	To link connecting shafts
HNS	Nameplate	Plate type, 900 mm
HNR		Roll type, 25 m
DCS	Terminal cover	Plate type, 1 m
DCR		Roll type, 60 m
DBL	Lock clip	For locking grips (preventing misinsertion)
DBP	Linkage pin	Linking with adjacent grip

Permissible voltage and current ranges

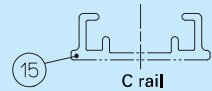
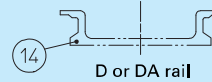
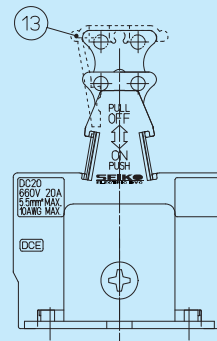
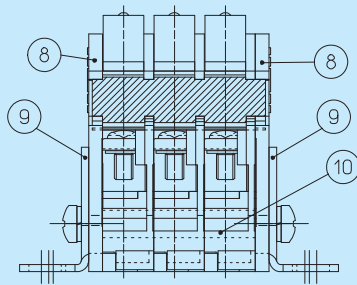
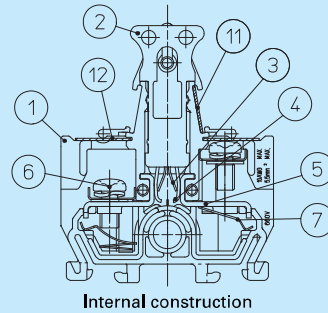
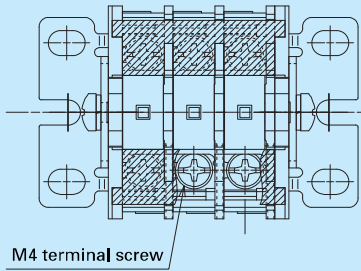
Type	Permissible ranges
All except DCG-□ (Sn-plated contacts)	AC/DC660V·20A~DC24V·50mA
DCG-□ (Au-plated contacts)	DC24V·50mA~DC1V·1mA

Breaking current

In principle these breakers are designed to operate in no-voltage states, but they can handle maximum currents as listed below.

Voltage (V)		24	48	110	220	440
AC (A) (power factor 0,4)		—	—	20	10	5
DC (A)	Resistive load	10	4,5	2	0,8	0,4
	Inductive load (L/R=0,025)	2	1	0,6	0,3	0,2

Materials and treatment

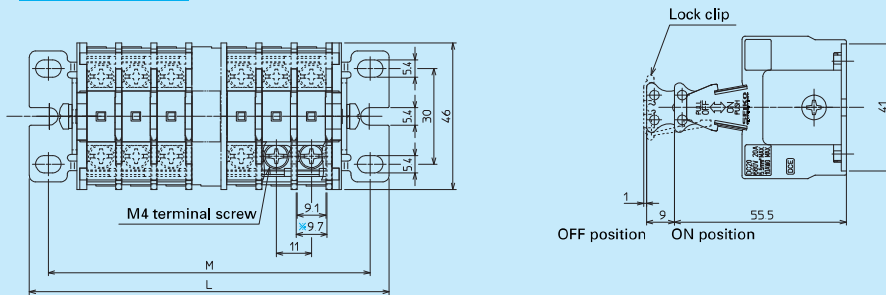


Materials list

Part No.	Name	Material	
1	DC base	PPE resin (black) (UL94V-0)	
2	DC grip	Nylon resin (yellow, red or green) (UL94V-2)	
3	DC contact spring	Stainless spring steel	
4	DC contact piece	Copper	
5	DC contact	Brass	
6	Terminal screw (standard screw)	M4x8 screw	Carbon steel
		Super-lock washer	Steel
		Round washer	Steel
7	DC leaf spring	Stainless spring steel	
8	DC end	PPE resin (black) (UL94V-0)	
9	Stopper	Copper	
10	Connecting shaft	Copper	
11	Nameplate	Hard PVC (white) (UL94V-0 equivalent)	
12	Terminal cover	Polycarbonate (clear) (UL94V-2)	
13	Lock clip	Polyacetal (milky white) (UL94HB)	
14	D and DA rails	Aluminum	
15	C rails	Aluminum	
16	S rails	Aluminum	

Dimensional drawings

Fixed type



※ mark indicates terminal insertion width.

Dimensions

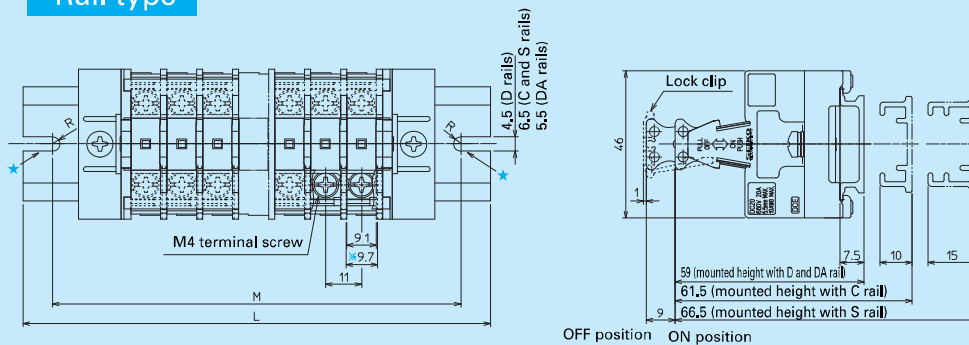
Poles P Size (mm)	2	3	4	6	8	10	12	14	16	18	20	22	24	26	28	30
Mounting pitch M	46	57	68	90	112	134	156	178	200	222	244	266	288	310	332	354
Length L	58	69	80	102	124	146	168	190	212	234	256	278	300	322	344	366

◆ Calculating size of assemblies

M (mounting pitch) = (11 × P) + 24

L (length) = M + 12

Rail type



※ mark indicates terminal insertion width.

★ mark indicates area which may vary in shape.

Dimensions

Poles P Size (mm)	8	10	12	14	16	18	20	22	24	30	40	50	85
Mounting pitch M	136	158	180	202	224	246	268	290	312	378	488	598	983
Length L	154	176	198	220	242	264	286	308	330	396	506	616	1000

◆ Calculating size of assemblies

M (mounting pitch) = (11 × P) + 48

L (length) = M + 18



Precautions in use

- Avoid use in environments subject to excessive dust, corrosive gas, etc.
(operating temperature -20 to +60°C, humidity 45 to 85%, vibration resistance 2G, impact resistance 50G)
- Some oils and greases may cause deterioration in resins, and care should be taken to avoid contact.
- When tightening M4 terminal screws, torque is 1.5 to 2.0 N m.
- Always mount the terminal cover after connection to prevent electrical shock injury.