

Earth leakage protective relays

Description

In the earth leakage relay the breaking mechanism is omitted from the ELCB, and the ZCT and earth leakage tripping device are integrated into a common body. These relays are available in both instantaneous and time-delay versions. Generally these relays are used in conjunction with MCCB's, ACB's and motor starters.

Relay and sensor–Unit type

BRR/Pass-through type

- Instantaneous trip
- Solid-state tripping device
- Sensitive current: 30, 100, 200mA
500mA
- Control voltage: Up to 415V AC

Relay and sensor–Separate type

RRD/Pass-through type

- Time-delay trip
- Solid-state tripping device
- Sensitive current: 100/200, 200/500mA
500/1000mA
- Control voltage: Up to 415V AC



EL/Pass-through type

- Instantaneous or time-delay trip
- Solid-state tripping device
- Sensitive current:
30, 100/200, 200/500mA
500/1000mA
- Control voltage: Up to 415V AC
- Easily modified from front mounting
to flush mounting

Selection guide

● BRR(Unit type)/Solid-state tripping device

Type		BRR01N	BRR09N	BRR11N	BRR19N	BRR21N	BRR29N	BRR22N	BRR25N
Sensor hole	(mm)	ø10		ø25		ø40			
Main circuit voltage	(V AC)	Max. 600							
Control voltage *	(V AC)	120, 240		120, 240		120, 240, 415			
Rated sensitive current	(mA)	30	100	30	100	30	100	200	500
Mass	(kg)	0.12		0.2		0.52			

Type	BRR42H	BRR45H
No. of poles	2, 3, 4	
Main circuit voltage (V AC)	Max. 600	
Rated current (A)	400	
Control voltage * (V AC)	120, 240, 415	
Rated sensitive current (mA)	200	500
Mass (kg)	2-pole: 3.0, 3-pole: 3.3, 4-pole: 3.6	

● RRD(Separate type)/Solid-state tripping device

Type		RRD6AZ□		RRD8AZ□		RRD10AZ□		RRD12AZ□		RRD25P0	RRD40P0	RRD60P0	RRD90P0	RRD120P0
No. of poles or sensor hole (mm)		3	4	3	4	3	4	3	4	ø25	ø40	ø60	ø90	ø120
Main circuit voltage (V AC)		Max. 600								Max. 600				
Rated current (A)		600		800		1000		1200		—				
Control voltage * (V AC)		120, 240, 415								120, 240, 415				
Rated sensitive current (mA)	Time-delay type 0.2 to 2 sec. adjustable	100/200, 200/500, 500/1000								100/200, 200/500, 500/1000				
Mass/Relay+Sensor (kg)		8.1	12.0	9.3	14.6	12.0	16.0	15.7	25.4	0.7	1.2	1.8	2.6	7.0

Note: * 100/110V or 200/220V is available.

Earth Leakage Protective Relays BRR, RRD, and EL types

■ Selection guide

● EL (Separate type)/Solid-state tripping device

Type		EL25P0	EL40P0	EL60P0	EL90P0	EL120P0
Sensor hole	(mm)	ø25	ø40	ø60	ø90	ø120
Main circuit voltage	(V AC)	Max. 600				
Control voltage	(V AC)	100/200, 120/240, 415				
Rated sensitive current (mA)	Instantaneous	30, 100/200, 200/500 500/1000			100/200, 200/500 500/1000	
	Time-delay type	100/200, 200/500, 500/100 (Tripping time: 0.3 or 0.8 sec. fixed)				
Mass/Relay+Sensor (kg)		0.3	0.85	1.45	2.25	6.6

■ Auxiliary contact ratings

Type	Contact arrangement	Thermal current	Making current	Breaking current (cos ϕ =0.3–0.4) (L/R=7ms)			
				415V AC	240V AC	120V AC	24V DC
BRR01N, 09N 11N, 19N	1NO * SPDT	3A 3A	10A (at 240V AC)	– –	1A 1A	1A 1A	– –
BRR21N, 29N, 22N, 25N BRR42H, 45H	SPDT	5A	10A (at 240V AC)	2.5A	5A	5A	2A
EL 120/240V AC 415V AC	SPDT 1NO	5A 3A	10A 6A	– 2A	3A 3A	3A 3A	2A 2A
RRD 120/240V AC 415V AC	2PDT SPDT	5A 5A	10A 6A	– 2.5A	3A 3A	3A 3A	2A 2A

Note: * Also available with SPDT contact.

■ Type number nomenclature, BRR unit type

BRR 2 1 N-0 24 S

Protection

S : Without enclosure (standard)

Control voltage (AC)

1 : 100/110V 12 : 120V
2 : 200/220V 2 : 240V
4 : 415V

Poles

N-0 : Pass-through type
H-2 : 2-pole with conductor and
terminal assembly
H-3 : 3-pole with conductor and
terminal assembly
H-4 : 4-pole with conductor and
terminal assembly

Sensitive current

1 : 30mA
9 : 100mA
2 : 200mA
5 : 500mA

Rated current

0 : Pass-through type ø10
1 : Pass-through type ø25
2 : Pass-through type ø40
4 : 400A

Basic type

■ Specifications/BRR type

Series	Rated current *1 (A)	Sensor hole or No. of poles	Rated sensitive current *2 (mA)	Control voltage *3 (V AC)	Tripping time (sec)	Type
BRR	2-wire: 37 3-wire: 37 4-wire: 27	ø10mm	30	120 240	0.1	BRR01N-012S BRR01N-024S
			100	120 240		BRR09N-012S BRR09N-024S
	2-wire: 162 3-wire: 115 4-wire: 115	ø25mm	30	120 240		BRR11N-012S BRR11N-024S
			100	120 240		BRR19N-012S BRR19N-024S
	2-wire: 344 3-wire: 298 4-wire: 257	ø40mm	30	120 240 415		BRR21N-012S BRR21N-024S BBR21N-04S
			100	120 240 415		BRR29N-012S BRR29N-024S BBR29N-04S
			200	120 240 415		BRR22N-012S BRR22N-024S BBR22N-04S
			500	120 240 415		BRR25N-012S BRR25N-024S BBR25N-04S
	400	2-pole	200	120 240 415	0.1	BRR42H-212S BRR42H-224S BBR42H-24S
			500	120 240 415		BRR45H-212S BRR45H-224S BBR45H-24S
		3-pole	200	120 240 415		BRR42H-312S BRR42H-324S BBR42H-34S
			500	120 240 415		BRR45H-312S BRR45H-324S BBR45H-34S
		4-pole	200	120 240 415		BRR42H-412S BRR42H-424S BBR42H-44S
			500	120 240 415		BRR45H-412S BRR45H-424S BBR45H-44S

Notes: *1 Using IV 600V cable.

*2 Non-tripping current is 0.5 times sensitive current.

*3 100/110V or 200/220V is available.

■ Wire size

ZCT sensing hole diameter and applicable cable(IV 600V)

Diameter (mm)	Wire 2-wire	3-wire	4-wire
10	3.5mm ²	3.5mm ²	2mm ²
25	38mm ²	22mm ²	22mm ²
40	125mm ²	100mm ²	80mm ²
60	325mm ²	200mm ²	200mm ²
90, 120	500mm ²	500mm ²	500mm ²

Conforming to JIS C 3307.

Earth Leakage Protective Relays

RRD series

■ Specifications/RRD type, with conductors

Series	Rated current (A)	No. of poles	Rated sensitive current * ¹ (mA)	Control voltage * ² (V AC)	Tripping time (sec)	Type
RRD	600	3-pole: 3 4-pole: 4 Replace the□ mark in the type number by the code shown below.	100/200	120 240 415	0.2–2 adjustable	RRD6AZ□-1/2-V12 RRD6AZ□-1/2-V24 RRD6AZ□-1/2-V4
			200/500	120 240 415		RRD6AZ□-2/5-V12 RRD6AZ□-2/5-V24 RRD6AZ□-2/5-V4
			500/1000	120 240 415		RRD6AZ□-5/10-V12 RRD6AZ□-5/10-V24 RRD6AZ□-5/10-V4
	800		100/200	120 240 415		RRD8AZ□-1/2-V12 RRD8AZ□-1/2-V24 RRD8AZ□-1/2-V4
			200/500	120 240 415		RRD8AZ□-2/5-V12 RRD8AZ□-2/5-V24 RRD8AZ□-2/5-V4
			500/1000	120 240 415		RRD8AZ□-5/10-V12 RRD8AZ□-5/10-V24 RRD8AZ□-5/10-V4
	1000		100/200	120 240 415		RRD10AZ□-1/2-V12 RRD10AZ□-1/2-V24 RRD10AZ□-1/2-V4
			200/500	120 240 415		RRD10AZ□-2/5-V12 RRD10AZ□-2/5-V24 RRD10AZ□-2/5-V4
			500/1000	120 240 415		RRD10AZ□-5/10-V12 RRD10AZ□-5/10-V24 RRD10AZ□-5/10-V4
	1200		100/200	120 240 415		RRD12AZ□-1/2-V12 RRD12AZ□-1/2-V24 RRD12AZ□-1/2-V4
			200/500	120 240 415		RRD12AZ□-2/5-V12 RRD12AZ□-2/5-V24 RRD12AZ□-2/5-V4
			500/1000	120 240 415		RRD12AZ□-5/10-V12 RRD12AZ□-5/10-V24 RRD12AZ□-5/10-V4

Notes: *¹ The rated sensitive current can be selected by jumper connection.
Non-tripping current 0.5 times sensitive current.

*² 100/110V or 200/220V is available.

● Type number nomenclature, RRD type

RRD 40 P0 - 2/5 -V2

Control voltage (AC)

V1 : 100/110V V4 : 415V V24 : 240V
V2 : 200/220V V12 : 120V

Sensitive current (selective)

1/2 : 100/200mA
2/5 : 200/500mA 5/10 : 500/1000mA

Poles

P0 : Pass-through type
Z3 : 3-pole with conductor
Z4 : 4-pole with conductor

Dia. of sensor hole or rated current

25 : ø25 6A : 600A
40 : ø40 8A : 800A
60 : ø60 10A : 1000A
90 : ø90 12A : 1200A
120 : ø120

Basic type

■ Specifications/RRD, poss-through type

Series	Rated current *1 (A)	Sensor hole (mm)	Rated sensitive current *2 (mA)	Control voltage *3 (V AC)	Tripping time (sec)	Type
RRD	2-wire: 162 3-wire: 115 4-wire: 115	ø25	100/200	120 240 415	0.2–2 adjustable	RRD25P0-1/2-V12 RRD25P0-1/2-V24 RRD25P0-1/2-V4
			200/500	120 240 415		RRD25P0-2/5-V12 RRD25P0-2/5-V24 RRD25P0-2/5-V4
			500/1000	120 240 415		RRD25P0-5/10-V12 RRD25P0-5/10-V24 RRD25P0-5/10-V4
		ø40	100/200	120 240 415		RRD40P0-1/2-V12 RRD40P0-1/2-V24 RRD40P0-1/2-V4
			200/500	120 240 415		RRD40P0-2/5-V12 RRD40P0-2/5-V24 RRD40P0-2/5-V4
			500/1000	120 240 415		RRD40P0-5/10-V12 RRD40P0-5/10-V24 RRD40P0-5/10-V4
		ø60	100/200	120 240 415		RRD60P0-1/2-V12 RRD60P0-1/2-V24 RRD60P0-1/2-V4
			200/500	120 240 415		RRD60P0-2/5-V12 RRD60P0-2/5-V24 RRD60P0-2/5-V4
			500/1000	120 240 415		RRD60P0-5/10-V12 RRD60P0-5/10-V24 RRD60P0-5/10-V4
	2-wire: 344 3-wire: 298 4-wire: 257	ø40	100/200	120 240 415		RRD40P0-1/2-V12 RRD40P0-1/2-V24 RRD40P0-1/2-V4
			200/500	120 240 415		RRD40P0-2/5-V12 RRD40P0-2/5-V24 RRD40P0-2/5-V4
			500/1000	120 240 415		RRD40P0-5/10-V12 RRD40P0-5/10-V24 RRD40P0-5/10-V4
	2-wire: 650 3-wire: 469 4-wire: 469	ø60	100/200	120 240 415		RRD60P0-1/2-V12 RRD60P0-1/2-V24 RRD60P0-1/2-V4
			200/500	120 240 415		RRD60P0-2/5-V12 RRD60P0-2/5-V24 RRD60P0-2/5-V4
			500/1000	120 240 415		RRD60P0-5/10-V12 RRD60P0-5/10-V24 RRD60P0-5/10-V4
	2-wire: 842 3-wire: 842 4-wire: 842	ø90	100/200	120 240 415		RRD90P0-1/2-V12 RRD90P0-1/2-V24 RRD90P0-1/2-V4
			200/500	120 240 415		RRD90P0-2/5-V12 RRD90P0-2/5-V24 RRD90P0-2/5-V4
			500/1000	120 240 415		RRD90P0-5/10-V12 RRD90P0-5/10-V24 RRD90P0-5/10-V4
	2-wire: 842 3-wire: 842 4-wire: 842	ø120	100/200	120 240 415		RRD120P0-1/2-V12 RRD120P0-1/2-V24 RRD120P0-1/2-V4
			200/500	120 240 415		RRD120P0-2/5-V12 RRD120P0-2/5-V24 RRD120P0-2/5-V4
			500/1000	120 240 415		RRD120P0-5/10-V12 RRD120P0-5/10-V24 RRD120P0-5/10-V4

Notes: *1 Using IV 600V cable. (See page 07/107 for reference.)

*2 The rated sensitive current can be selected by jumper connection.
Non-tripping current 0.5 times sensitive current.

*3 100/110V or 200/220V is available.

Earth Leakage Protective Relays

EL types

■ Specifications/EL type

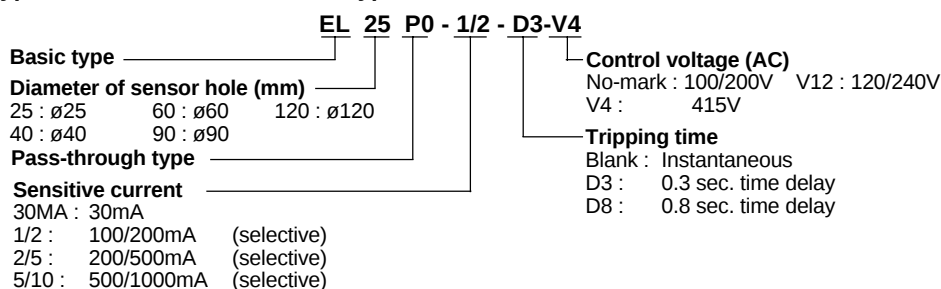
Series	Rated current *1 (A)	Sensor hole (mm)	Rated sensitive current *2 (mA)	Control voltage *3 (V AC)	Tripping time (sec)	120/240V Type	415V Type
EL	2-wire: 162 3-wire: 115 4-wire: 115	ø25	30 100/200 200/500 500/1000	120/240 415	0.1	EL25P0-30MA-V12 EL25P0-1/2-V12 EL25P0-2/5-V12 EL25P0-5/10-V12	EL25P0-30MA-V4 EL25P0-1/2-V4 EL25P0-2/5-V4 EL25P0-5/10-V4
Instantaneous	2-wire: 344 3-wire: 298 4-wire: 257	ø40	30 100/200 200/500 500/1000	120/240 415	0.1	EL40P0-30MA-V12 EL40P0-1/2-V12 EL40P0-2/5-V12 EL40P0-5/10-V12	EL40P0-30MA-V4 EL40P0-1/2-V4 EL40P0-2/5-V4 EL40P0-5/10-V4
	2-wire: 650 3-wire: 469 4-wire: 469	ø60	30 100/200 200/500 500/1000			EL60P0-30MA-V12 EL60P0-1/2-V12 EL60P0-2/5-V12 EL60P0-5/10-V12	EL60P0-30MA-V4 EL60P0-1/2-V4 EL60P0-2/5-V4 EL60P0-5/10-V4
	2-wire: 842 3-wire: 842 4-wire: 842	ø90	100/200 200/500 500/1000			EL90P0-1/2-V12 EL90P0-2/5-V12 EL90P0-5/10-V12	EL90P0-1/2-V4 EL90P0-2/5-V4 EL90P0-5/10-V4
	2-wire: 842 3-wire: 842 4-wire: 842	ø120	100/200 200/500 500/1000			EL120P0-1/2-V12 EL120P0-2/5-V12 EL120P0-5/10-V12	EL120P0-1/2-V4 EL120P0-2/5-V4 EL120P0-5/10-V4
	2-wire: 162 3-wire: 115 4-wire: 115	ø25	100/200 200/500 500/1000			EL25P0-1/2-D3-V12 EL25P0-2/5-D3-V12 EL25P0-5/10-D3-V12	EL25P0-1/2-D3-V4 EL25P0-2/5-D3-V4 EL25P0-5/10-D3-V4
Time delay	2-wire: 344 3-wire: 298 4-wire: 257	ø40	100/200 200/500 500/1000	120/240 415	0.3	EL40P0-1/2-D3-V12 EL40P0-2/5-D3-V12 EL40P0-5/10-D3-V12	EL40P0-1/2-D3-V4 EL40P0-2/5-D3-V4 EL40P0-5/10-D3-V4
	2-wire: 650 3-wire: 469 4-wire: 469	ø60	100/200 200/500 500/1000			EL60P0-1/2-D3-V12 EL60P0-2/5-D3-V12 EL60P0-5/10-D3-V12	EL60P0-1/2-D3-V4 EL60P0-2/5-D3-V4 EL60P0-5/10-D3-V4
	2-wire: 842 3-wire: 842 4-wire: 842	ø90	100/200 200/500 500/1000			EL90P0-1/2-D3-V12 EL90P0-2/5-D3-V12 EL90P0-5/10-D3-V12	EL90P0-1/2-D3-V4 EL90P0-2/5-D3-V4 EL90P0-5/10-D3-V4
	2-wire: 842 3-wire: 842 4-wire: 842	ø120	100/200 200/500 500/1000			EL120P0-1/2-D3-V12 EL120P0-2/5-D3-V12 EL120P0-5/10-D3-V12	EL120P0-1/2-D3-V4 EL120P0-2/5-D3-V4 EL120P0-5/10-D3-V4
	2-wire: 162 3-wire: 115 4-wire: 115	ø25	100/200 200/500 500/1000			EL25P0-1/2-D8-V12 EL25P0-2/5-D8-V12 EL25P0-5/10-D8-V12	EL25P0-1/2-D8-V4 EL25P0-2/5-D8-V4 EL25P0-5/10-D8-V4
	2-wire: 344 3-wire: 298 4-wire: 257	ø40	100/200 200/500 500/1000	120/240 415	0.8	EL40P0-1/2-D8-V12 EL40P0-2/5-D8-V12 EL40P0-5/10-D8-V12	EL40P0-1/2-D8-V4 EL40P0-2/5-D8-V4 EL40P0-5/10-D8-V4
	2-wire: 650 3-wire: 469 4-wire: 469	ø60	100/200 200/500 500/1000			EL60P0-1/2-D8-V12 EL60P0-2/5-D8-V12 EL60P0-5/10-D8-V12	EL60P0-1/2-D8-V4 EL60P0-2/5-D8-V4 EL60P0-5/10-D8-V4
	2-wire: 842 3-wire: 842 4-wire: 842	ø90	100/200 200/500 500/1000			EL90P0-1/2-D8-V12 EL90P0-2/5-D8-V12 EL90P0-5/10-D8-V12	EL90P0-1/2-D8-V4 EL90P0-2/5-D8-V4 EL90P0-5/10-D8-V4
	2-wire: 842 3-wire: 842 4-wire: 842	ø120	100/200 200/500 500/1000			EL120P0-1/2-D8-V12 EL120P0-2/5-D8-V12 EL120P0-5/10-D8-V12	EL120P0-1/2-D8-V4 EL120P0-2/5-D8-V4 EL120P0-5/10-D8-V4
	2-wire: 162 3-wire: 115 4-wire: 115	ø25	100/200 200/500 500/1000			EL25P0-1/2-D8-V12 EL25P0-2/5-D8-V12 EL25P0-5/10-D8-V12	EL25P0-1/2-D8-V4 EL25P0-2/5-D8-V4 EL25P0-5/10-D8-V4

Notes: *1 Using IV 600V cable. (See page 07/107 for reference.)

*3 100/110V or 200/220V is available.

*2 Non tripping current is 0.5 times sensitive current.

● Type number nomenclature, ELtype

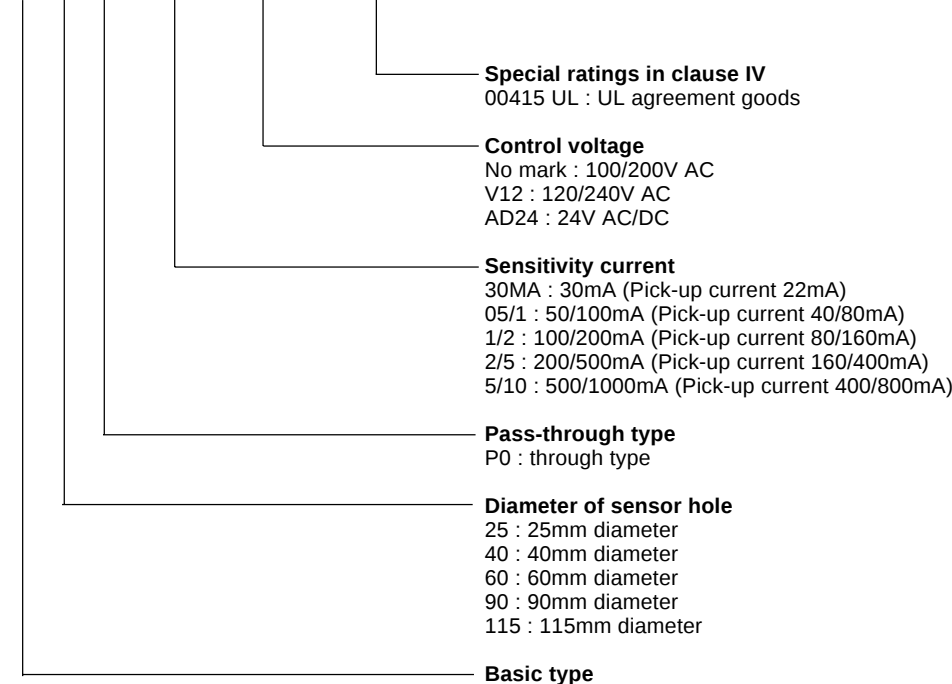


■ Specifications/EL type, UL 1053 recognized [UL File No. E176596]

Series	Sensor hole (mm)	Rated sensitive current (mA)	Control voltage	Tripping time (sec)	Type		
					24 VAC/DC Control	100/200 VAC Control	120/240 VAC Control
EL	ø25	30 50/100 100/200 200/500 500/1000	24 VAC/DC 100/200 VAC 120/240 VAC	0.1	EL25P0-30MA-AD24-00415UL	EL25P0-30MA-00415UL	EL25P0-30MA-V12-00415UL
					EL25P0-05/1-AD24-00415UL	EL25P0-05/1-00415UL	EL25P0-05/1-V12-00415UL
					EL25P0-1/2-AD24-00415UL	EL25P0-1/2-00415UL	EL25P0-1/2-V12-00415UL
					EL25P0-2/5-AD24-00415UL	EL25P0-2/5-00415UL	EL25P0-2/5-V12-00415UL
					EL25P0-5/10-AD24-00415UL	EL25P0-5/10-00415UL	EL25P0-5/10-V12-00415UL
	ø40	30 50/100 100/200 200/500 500/1000			EL40P0-30MA-AD24-00415UL	EL40P0-30MA-00415UL	EL40P0-30MA-V12-00415UL
					EL40P0-05/1-AD24-00415UL	EL40P0-05/1-00415UL	EL40P0-05/1-V12-00415UL
					EL40P0-1/2-AD24-00415UL	EL40P0-1/2-00415UL	EL40P0-1/2-V12-00415UL
					EL40P0-2/5-AD24-00415UL	EL40P0-2/5-00415UL	EL40P0-2/5-V12-00415UL
					EL40P0-5/10-AD24-00415UL	EL40P0-5/10-00415UL	EL40P0-5/10-V12-00415UL
	ø60	30 50/100 100/200 200/500 500/1000			EL60P0-30MA-AD24-00415UL	EL60P0-30MA-00415UL	EL60P0-30MA-V12-00415UL
					EL60P0-05/1-AD24-00415UL	EL60P0-05/1-00415UL	EL60P0-05/1-V12-00415UL
					EL60P0-1/2-AD24-00415UL	EL60P0-1/2-00415UL	EL60P0-1/2-V12-00415UL
					EL60P0-2/5-AD24-00415UL	EL60P0-2/5-00415UL	EL60P0-2/5-V12-00415UL
					EL60P0-5/10-AD24-00415UL	EL60P0-5/10-00415UL	EL60P0-5/10-V12-00415UL
	ø90	30 50/100 100/200 200/500 500/1000			EL90P0-30MA-AD24-00415UL	EL90P0-30MA-00415UL	EL90P0-30MA-V12-00415UL
					EL90P0-05/1-AD24-00415UL	EL90P0-05/1-00415UL	EL90P0-05/1-V12-00415UL
					EL90P0-1/2-AD24-00415UL	EL90P0-1/2-00415UL	EL90P0-1/2-V12-00415UL
					EL90P0-2/5-AD24-00415UL	EL90P0-2/5-00415UL	EL90P0-2/5-V12-00415UL
					EL90P0-5/10-AD24-00415UL	EL90P0-5/10-00415UL	EL90P0-5/10-V12-00415UL
	ø115	30 50/100 100/200 200/500 500/1000			EL115P0-30MA-AD24-00415UL	EL115P0-30MA-00415UL	EL115P0-30MA-V12-00415UL
					EL115P0-05/1-AD24-00415UL	EL115P0-05/1-00415UL	EL115P0-05/1-V12-00415UL
					EL115P0-1/2-AD24-00415UL	EL115P0-1/2-00415UL	EL115P0-1/2-V12-00415UL
					EL115P0-2/5-AD24-00415UL	EL115P0-2/5-00415UL	EL115P0-2/5-V12-00415UL
					EL115P0-5/10-AD24-00415UL	EL115P0-5/10-00415UL	EL115P0-5/10-V12-00415UL

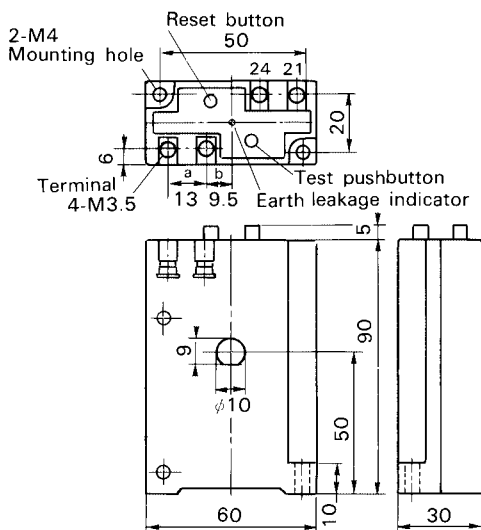
● Type number nomenclature, EL type, UL 1053 recognized

EL 25 P0 - 30MA - AD24 - 00415 UL

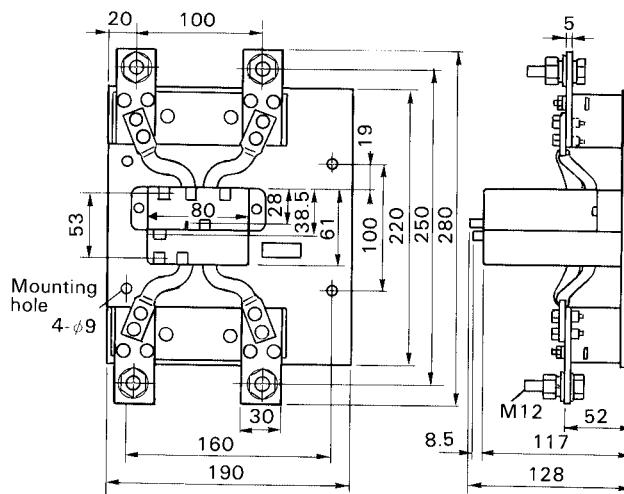


Earth Leakage Protective Relays BRR type

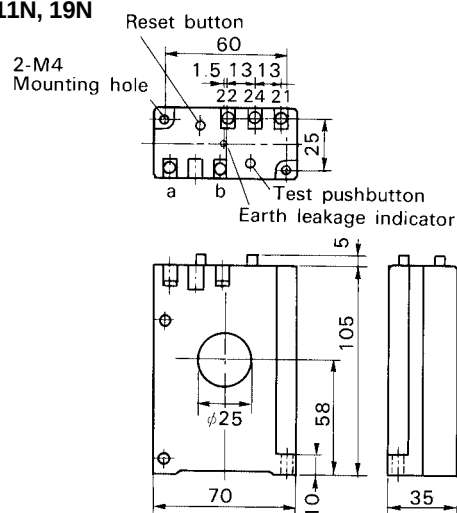
■ Dimensions, mm BRR01N, 09N



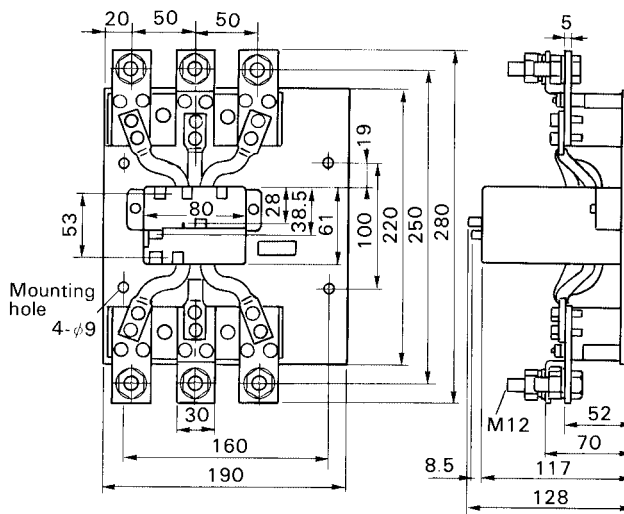
BRR42H, 45H 2-pole



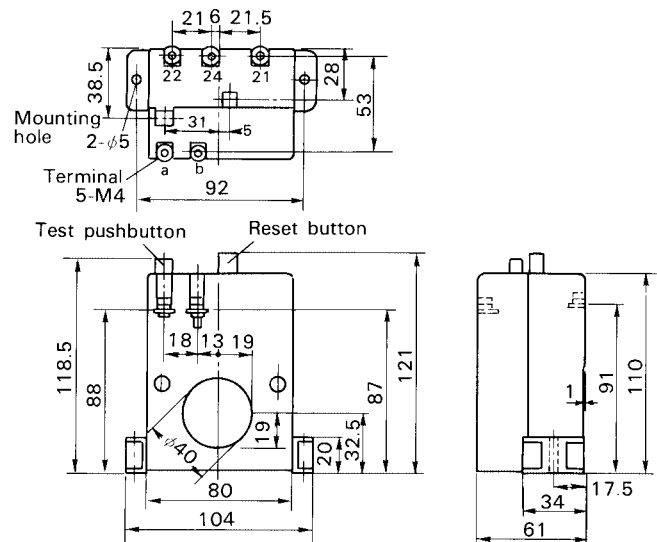
BRR11N, 19N



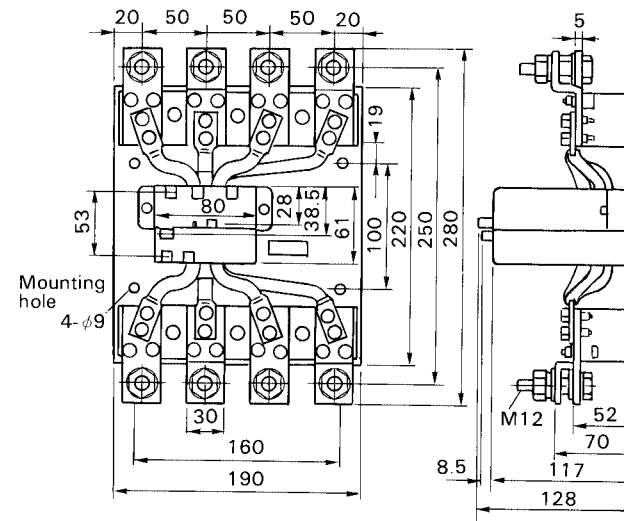
3-pole



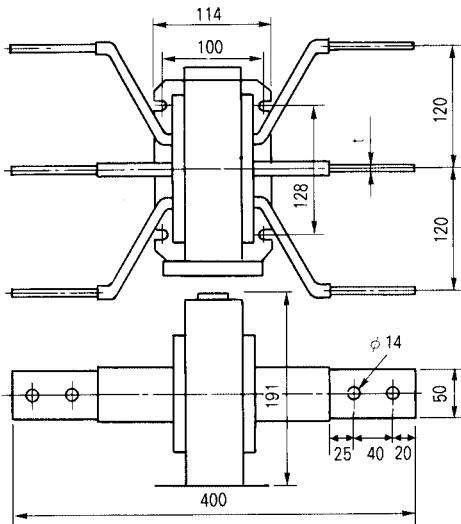
BRR21N, 29N, 22N, 23N, 25N



4-pole

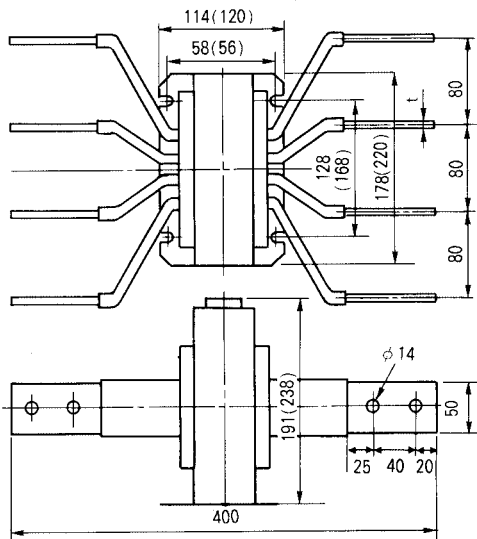


■ Dimensions, mm
RRD6AZ3, 8AZ3, 10AZ3



t RRD6AZ3: 6
RRD8AZ3: 8
RRD10AZ3: 12

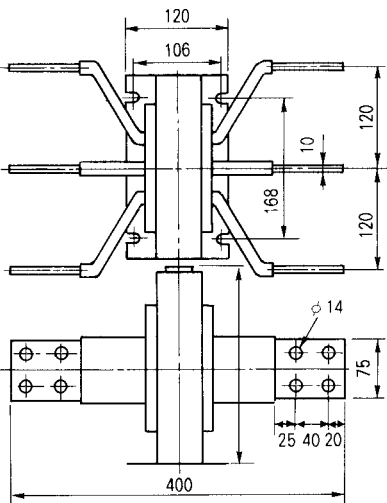
RRD6AZ4, 8AZ4, 10AZ4



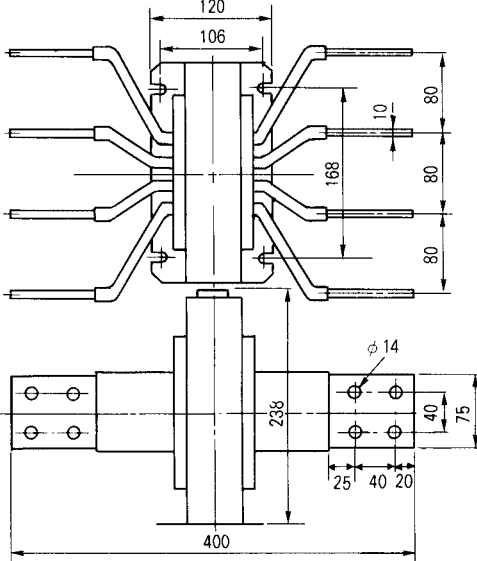
t RRD6AZ4: 6
RRD8AZ4: 8
RRD10AZ4: 12

(): For RRD10AZ4

RRD12AZ3



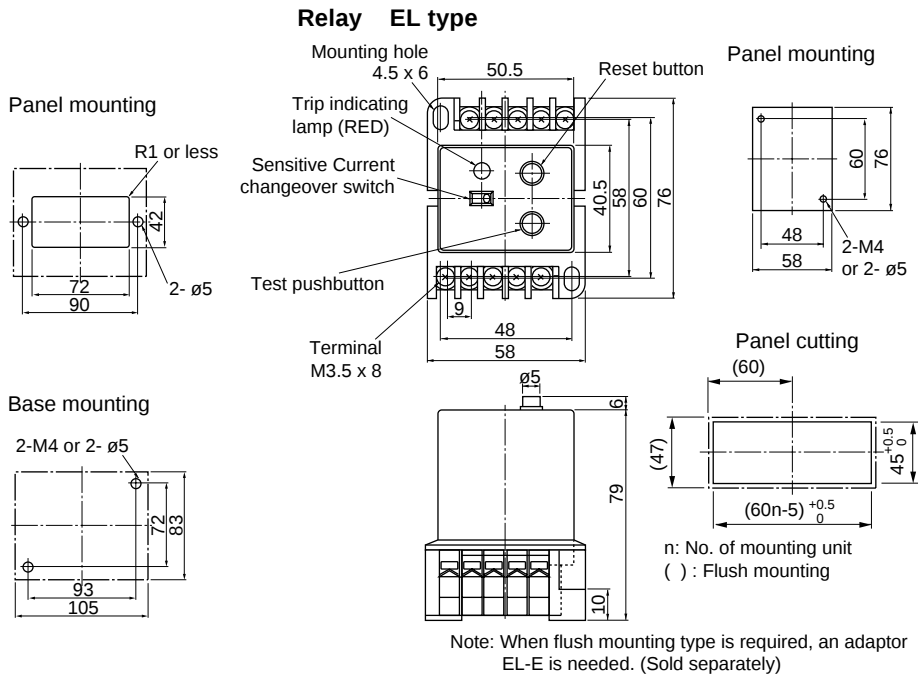
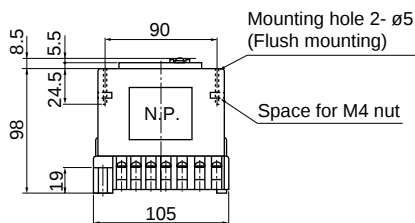
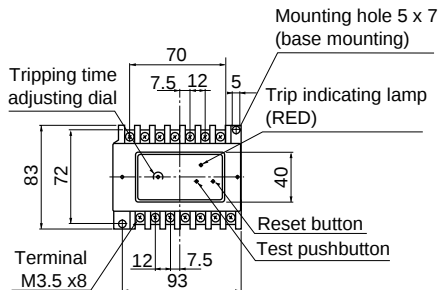
RRD12AZ4



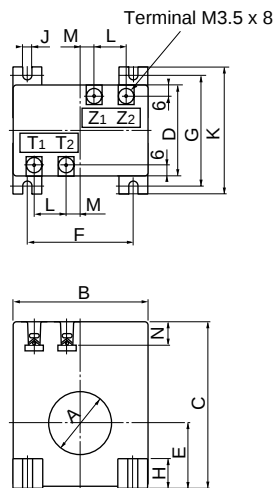
Earth Leakage Protective Relays

RRD and EL types

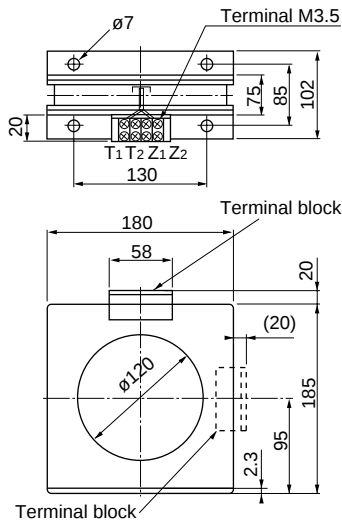
■ Dimensions, mm



Sensors
RRD25, 40, 60, 90P0
EL25, 40, 60, 90P0

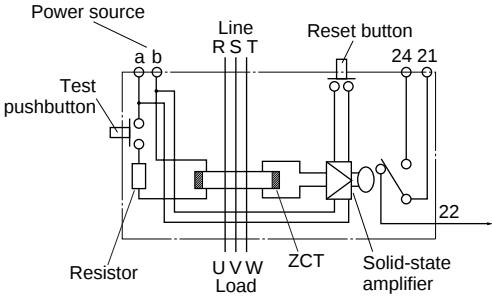


RRD120, EL120P0

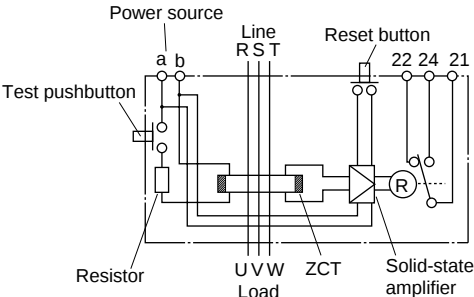


Type	A	B	C	D	E	F	G	H	J	K	L	M	N
RRD25 EL25	ø25	55	72	29	28	40	42	10	5	54	13	7	7
	ø25	55	72	29	28	40	42	10	5	54	13	7	7
RRD40 EL40	ø40	90	115	62	45	70	75	18	5	90	22	8	18
	ø40	90	115	62	45	70	75	18	5	90	22	8	18
RRD60 EL60	ø60	120	145	62	60	100	75	18	6	90	22	8	18
	ø60	120	145	62	60	100	75	18	6	90	22	8	18
RRD90 EL90	ø90	160	185	66	80	125	88	22	7	110	22	8	18
	ø90	160	185	66	80	125	88	22	7	110	22	8	18

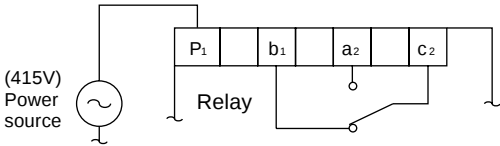
■ Wiring diagrams
BRR01N, 09N



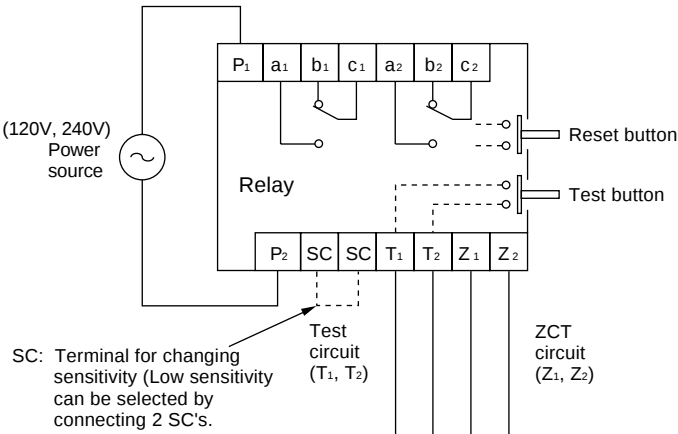
BRR11N, 19N, 21N, 29N, 22N, 23N, 25N
BRR42H, 45H



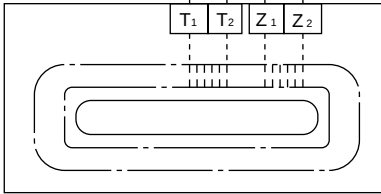
RRD type
● Where SPDT is selected.



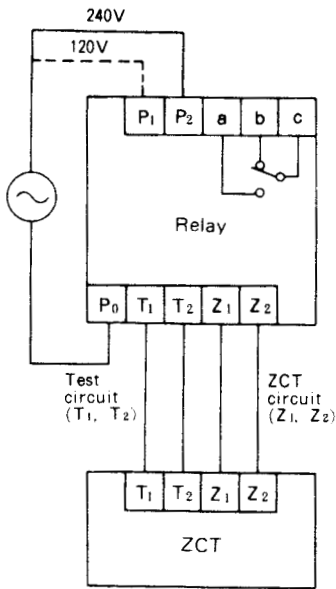
● Where 2PDT is selected.



Sensor



EL type
100/200V, 120/240V



415V

