



F200 Residual current devices



F200 Series Residual current devices

UL 1053 residual current devices

The F200 product range is approved as a UL 1053 recognized component. ABB recommends the installation of F200 RCDs wherever uptime is a critical factor.

Product range

The F200 series includes 2 and 4-pole devices designed to protect against AC ground faults (AC type) and both AC and pulsating DC ground faults (A type). AP-R models provide high resistance to nuisance tripping. Selective S models provide an intentional trip delay.

F200 AC Type

Catalog number	Description
F202AC-16/0.01	RCD F200 2P 16A 10mA AC
F202AC-25/0.03	RCD F200 2P 25A 30mA AC
F202AC-40/0.03	RCD F200 2P 40A 30mA AC
F202AC-63/0.03	RCD F200 2P 63A 30mA AC
F202AC-80/0.03	RCD F200 2P 80A 30mA AC
F202AC-100/0.03	RCD F200 2P 100A 30mA AC
F202AC-25/0.1	RCD F200 2P 25A 100mA AC
F202AC-40/0.1	RCD F200 2P 40A 100mA AC
F202AC-63/0.1	RCD F200 2P 63A 100mA AC
F202AC-80/0.1	RCD F200 2P 80A 100mA AC
F202AC-100/0.1	RCD F200 2P 100A 100mA AC
F202AC-25/0.3	RCD F200 2P 25A 300mA AC
F202AC-40/0.3	RCD F200 2P 40A 300mA AC
F202AC-63/0.3	RCD F200 2P 63A 300mA AC
F202AC-80/0.3	RCD F200 2P 80A 300mA AC
F202AC-100/0.3	RCD F200 2P 100A 300mA AC
F202AC-25/0.5	RCD F200 2P 25A 500mA AC
F202AC-40/0.5	RCD F200 2P 40A 500mA AC
F202AC-63/0.5	RCD F200 2P 63A 500mA AC
F202AC-80/0.5	RCD F200 2P 80A 500mA AC
F202AC-100/0.5	RCD F200 2P 100A 500mA AC
F204AC-25/0.03	RCD F200 4P 25A 30mA AC

Catalog number	Description
F204AC-40/0.03	RCD F200 4P 40A 30mA AC
F204AC-63/0.1	RCD F200 4P 63A 100mA AC
F204AC-80/0.03	RCD F200 4P 80A 30mA AC
F204AC-100/0.03	RCD F200 4P 100A 30mA AC
F204AC-125/0.03 Ⓞ	RCD F200 4P 125A 30mA AC
F204AC-25/0.1	RCD F200 4P 25A 100mA AC
F204AC-40/0.1	RCD F200 4P 40A 100mA AC
F204AC-63/0.1	RCD F200 4P 63A 100mA AC
F204AC-80/0.1	RCD F200 4P 80A 100mA AC
F204AC-100/0.1	RCD F200 4P 100A 100mA AC
F204AC-125/0.1 Ⓞ	RCD F200 4P 125A 100mA AC
F204AC-25/0.3	RCD F200 4P 25A 300mA AC
F204AC-40/0.3	RCD F200 4P 40A 300mA AC
F204AC-63/0.3	RCD F200 4P 63A 300mA AC
F204AC-80/0.3	RCD F200 4P 80A 300mA AC
F204AC-100/0.3	RCD F200 4P 100A 300mA AC
F204AC-125/0.3 Ⓞ	RCD F200 4P 125A 300mA AC
F204AC-25/0.5	RCD F200 4P 25A 500mA AC
F204AC-40/0.5	RCD F200 4P 40A 500mA AC
F204AC-63/0.5	RCD F200 4P 63A 500mA AC
F204AC-80/0.5	RCD F200 4P 80A 500mA AC
F204AC-100/0.5	RCD F200 4P 100A 500mA AC
F204AC-125/0.5 Ⓞ	RCD F200 4P 125A 500mA AC

F200 A Type

Catalog number	Description
F202A-16/0.01	RCD F200 2P 16A 10mA A
F202A-25/0.03	RCD F200 2P 25A 30mA A
F202A-40/0.03	RCD F200 2P 40A 30mA A
F202A-63/0.03	RCD F200 2P 63A 30mA A
F202A-80/0.03	RCD F200 2P 80A 30mA A
F202A-100/0.03	RCD F200 2P 100A 30mA A
F202A-25/0.1	RCD F200 2P 25A 100mA A
F202A-40/0.1	RCD F200 2P 40A 100mA A
F202A-63/0.1	RCD F200 2P 63A 100mA A
F202A-80/0.1	RCD F200 2P 80A 100mA A
F202A-100/0.1	RCD F200 2P 100A 100mA A
F202A-25/0.3	RCD F200 2P 25A 300mA A
F202A-40/0.3	RCD F200 2P 40A 300mA A
F202A-63/0.3	RCD F200 2P 63A 300mA A
F202A-80/0.3	RCD F200 2P 80A 300mA A
F202A-100/0.3	RCD F200 2P 100A 300mA A
F202A-25/0.5	RCD F200 2P 25A 500mA A
F202A-40/0.5	RCD F200 2P 40A 500mA A
F202A-63/0.5	RCD F200 2P 63A 500mA A
F202A-80/0.5	RCD F200 2P 80A 500mA A
F202A-100/0.5	RCD F200 2P 100A 500mA A

Catalog number	Description
F204A-25/0.03	RCD F200 4P 25A 30mA A
F204A-40/0.03	RCD F200 4P 40A 30mA A
F204A-63/0.03	RCD F200 4P 63A 30mA A
F204A-80/0.03	RCD F200 4P 80A 30mA A
F204A-100/0.03	RCD F200 4P 100A 30mA A
F204A-125/0.03 Ⓞ	RCD F200 4P 125A 30mA A
F204A-25/0.1	RCD F200 4P 25A 100mA A
F204A-40/0.1	RCD F200 4P 40A 100mA A
F204A-63/0.1	RCD F200 4P 63A 100mA A
F204A-80/0.1	RCD F200 4P 80A 100mA A
F204A-100/0.1	RCD F200 4P 100A 100mA A
F204A-125/0.1 Ⓞ	RCD F200 4P 125A 100mA A
F204A-25/0.3	RCD F200 4P 25A 300mA A
F204A-40/0.3	RCD F200 4P 40A 300mA A
F204A-63/0.3	RCD F200 4P 63A 300mA A
F204A-80/0.3	RCD F200 4P 80A 300mA A
F204A-100/0.3	RCD F200 4P 100A 300mA A
F204A-125/0.3 Ⓞ	RCD F200 4P 125A 300mA A
F204A-25/0.5	RCD F200 4P 25A 500mA A
F204A-40/0.5	RCD F200 4P 40A 500mA A
F204A-63/0.5	RCD F200 4P 63A 500mA A

Ⓞ 125A versions are not UL approved.

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F200 A Type, cont.

Catalog number	Description	Catalog number	Description
F204A-80/0.5	RCD F200 4P 80A 500mA A	F202AS-40/0.5	RCD F200 2P 40A 500mA A S
F204A-100/0.5	RCD F200 4P 100A 500mA A	F202AS-63/0.5	RCD F200 2P 63A 500mA A S
F204A-125/0.5 ①	RCD F200 4P 125A 500mA A	F202AS-100/0.5	RCD F200 2P 100A 500mA A S
F202A-25/0.03APR	RCD F200 2P 25A 30mA A AP-R	F202AS-40/1.0	RCD F200 2P 40A 1000mA A S
F202A-40/0.03APR	RCD F200 2P 40A 30mA A AP-R	F202AS-63/1.0	RCD F200 2P 63A 1000mA A S
F202A-63/0.03APR	RCD F200 2P 63A 30mA A AP-R	F202AS-100/1.0	RCD F200 2P 100A 1000mA A S
F202A-80/0.03APR	RCD F200 2P 80A 30mA A AP-R	F204AS-40/0.1	RCD F200 4P 40A 100mA A S
F202A-100/0.03APR	RCD F200 2P 100A 30mA A AP-R	F204AS-63/0.1	RCD F200 4P 63A 100mA A S
F204A-25/0.03APR	RCD F200 4P 25A 30mA A AP-R	F204AS-100/0.1	RCD F200 4P 100A 100mA A S
F204A-40/0.03APR	RCD F200 4P 40A 30mA A AP-R	F204AS-40/0.3	RCD F200 4P 40A 300mA A S
F204A-63/0.03APR	RCD F200 4P 63A 30mA A AP-R	F204AS-63/0.3	RCD F200 4P 63A 300mA A S
F204A-80/0.03APR	RCD F200 4P 80A 30mA A AP-R	F204AS-100/0.3	RCD F200 4P 100A 300mA A S
F204A-100/0.03APR	RCD F200 4P 100A 30mA A AP-R	F204AS-125/0.3 ①	RCD F200 4P 125A 300mA A S
F204A-125/0.03APR ①	RCD F200 4P 125A 30mA A AP-R	F204AS-40/0.5	RCD F200 4P 40A 500mA A S
F202AS-40/0.1	RCD F200 2P 40A 100mA A S	F204AS-63/0.5	RCD F200 4P 63A 500mA A S
F202AS-63/0.1	RCD F200 2P 63A 100mA A S	F204AS-100/0.5	RCD F200 4P 100A 500mA A S
F202AS-100/0.1	RCD F200 2P 100A 100mA A S	F204AS-125/0.5 ①	RCD F200 4P 125A 500mA A S
F202AS-40/0.3	RCD F200 2P 40A 300mA A S	F204AS-40/1.0	RCD F200 4P 40A 1000mA A S
F202AS-63/0.3	RCD F200 2P 63A 300mA A S	F204AS-63/1.0	RCD F200 4P 63A 1000mA A S
F202AS-100/0.3	RCD F200 2P 100A 300mA A S	F204AS-100/1.0	RCD F200 4P 100A 1000mA A S

① 125A versions are not UL approved.

Technical data

Item	F200AC	F200A
Standards		
UL	1053	1053
CSA	-	-
VDE	-	-
IEC	61008	61008
Number of poles	2, 4	2, 4
Rated currents	16, 25, 40, 63, 80, 100, 125 A ①	16, 25, 40, 63, 80, 100, 125 A ①
Operating voltage	480Y/277 VAC	480Y/277 VAC
Sensitivity I Δ n	10, 30, 100, 300, 500, 1000 mA	10, 30, 100, 300, 500, 1000 mA
Pick up current	0.65 x Sensitivity I Δ n	0.65 x Sensitivity I Δ n
Rated conditional short-circuit current		
Inc=I Δ c with gG fuse 100 A ②	10 kA	10 kA
Rated residual breaking capacity I Δ m=I Δ m	1 kA	1 kA
Working temperature	-25...+55°C	-25...+55°C
CPI	yes	yes
Protection category	IP20	IP20
Depth of unit per DIN 43880	68 mm/ 2.68 in.	68 mm/ 2.68 in.
Mounting position	vertical, horizontal	vertical, horizontal
Standard mounting	35 mm DIN rail	35 mm DIN rail

① 125 A versions are not UL approved.

② For 125 A F200, the fuse is gG 125 A

Item	F200A AP-R	F200A S
Standards		
UL	1053	1053
CSA	-	-
VDE	-	-
IEC	61008	61008
Number of poles	2, 4	2, 4
Rated currents	25, 40, 63, 80, 100, 125 A ①	40, 63, 100, 125 A ①
Operating voltage	480Y/277 VAC	480Y/277 VAC
Sensitivity I Δ n	10, 30, 100, 300, 500, 1000 mA	10, 30, 100, 300, 500, 1000 mA
Pick up current	0.65 x Sensitivity I Δ n	0.65 x Sensitivity I Δ n
Rated conditional short-circuit current		
Inc=I Δ c with gG fuse 100 A ②	10 kA	10 kA
Rated residual breaking capacity I Δ m=I Δ m	1 kA	1 kA
Working temperature	-25...+55°C	-25...+55°C
CPI	yes	yes
Protection category	IP20	IP20
Depth of unit per DIN 43880	68 mm/ 2.68 in.	68 mm/ 2.68 in.
Mounting position	vertical, horizontal	vertical, horizontal
Standard mounting	35 mm DIN rail	35 mm DIN rail

① 125 A versions are not UL approved.

② For 125 A F200, the fuse is gG 125 A

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