



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
F204AC-40/0.03	RCD F200 4P 40A 30mA AC
F204AC-63/0.03	RCD F200 4P 63A 30mA 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

Catalog number	Description
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
F202ACS-40/0.1	RCD F200 2P 40A 100mA AC S
F202ACS-63/0.1	RCD F200 2P 63A 100mA AC S
F202ACS-40/0.3	RCD F200 2P 40A 300mA AC S
F202ACS-63/0.3	RCD F200 2P 63A 300mA AC S
F202ACS-40/0.5	RCD F200 2P 40A 500mA AC S
F202ACS-63/0.5	RCD F200 2P 63A 500mA AC S
F202ACS-40/1.0	RCD F200 2P 40A 1000mA AC S
F202ACS-63/1.0	RCD F200 2P 63A 1000mA AC S
F204ACS-40/0.1	RCD F200 4P 40A 100mA AC S
F204ACS-63/0.1	RCD F200 4P 63A 100mA AC S
F204ACS-40/0.3	RCD F200 4P 40A 300mA AC S
F204ACS-63/0.3	RCD F200 4P 63A 300mA AC S
F204ACS-40/0.5	RCD F200 4P 40A 500mA AC S
F204ACS-63/0.5	RCD F200 4P 63A 500mA AC S
F204ACS-40/1.0	RCD F200 4P 40A 1000mA AC S
F204ACS-63/1.0	RCD F200 4P 63A 1000mA AC S

#### 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

## 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	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	RCD F200 4P 125A 300mA A S
F204A-125/0.03APR	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	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

## Technical data

Item	F200AC	F200AC S
Approvals:		
UL	1053	1053
CSA	-	-
VDE	-	-
IEC	-	-
Number of Poles:	2, 4	2, 4
Rated Currents:	16, 25, 40, 63, 80, 100, 125	40, 63
Operating Voltage:	480Y/277 VAC	480Y/277 VAC
Production Category:	IP20	IP20
Depth of Unit Per DIN 43880:	68mm/ 2.68 in.	68mm/ 2.68 in.
Mounting Position:	vertical, horizontal	vertical, horizontal
Standard Mounting:	35mm DIN rail	35mm DIN rail
Main and Shunt Trip Terminals:		
Wire Size	18-4 AWG/.82-21.2mm <sup>2</sup>	18-4 AWG/.82-21.2mm <sup>2</sup>
Torque	17.5 in-lbs./1.978 nm	17.5 in-lbs./1.978 nm
Tool	#2 Posidrive	#2 Posidrive
Accessory Terminals		
Wire Size	18-16 AWG/.82-1.3mm <sup>2</sup>	18-16 AWG/.82-1.3mm <sup>2</sup>
Torque	4.5 in-lbs./51nm	4.5 in-lbs./51nm
Tool	# 1 Posidrive	# 1 Posidrive
Service Life at Rated Load:	No Load 20,000 operations Full Load 10,000 operations	No Load 20,000 operations Full Load 10,000 operations
Shock Resistance:	30g minimum of 2 impacts, shock duration of 13ms	30g minimum of 2 impacts, shock duration of 13ms
Vibration Resistance:	5g, 20 cycles, 5 Hz, 150 Hz @ 0.8 ~ 1n	5g, 20 cycles, 5 Hz, 150 Hz @ 0.8 ~ 1n

Item	F200A	F200A AP-R	F200A S
Approvals:			
UL	1053	1053	1053
CSA	-	-	-
VDE	-	-	-
IEC	-	-	-
Number of Poles:	2, 4	2, 4	2, 4
Rated Currents:	16, 25, 40, 63, 80, 100, 125	25, 40, 63, 80, 100, 125	40, 63, 100, 125
Operating Voltage:	480Y/277 VAC	480Y/277 VAC	480Y/277 VAC
Production Category:	IP20	IP20	IP20
Depth of Unit Per DIN 43880:	68mm/ 2.68 in.	68mm/ 2.68 in.	68mm/ 2.68 in.
Mounting Position:	vertical, horizontal	vertical, horizontal	vertical, horizontal
Standard Mounting:	35mm DIN rail	35mm DIN rail	35mm DIN rail
Main and Shunt Trip Terminals:			
Wire Size	18-4 AWG/.82-21.2mm <sup>2</sup>	18-4 AWG/.82-21.2mm <sup>2</sup>	18-4 AWG/.82-21.2mm <sup>2</sup>
Torque	17.5 in-lbs./1.978 nm	17.5 in-lbs./1.978 nm	17.5 in-lbs./1.978 nm
Tool	#2 Posidrive	#2 Posidrive	#2 Posidrive
Accessory Terminals			
Wire Size	18-16 AWG/.82-1.3mm <sup>2</sup>	18-16 AWG/.82-1.3mm <sup>2</sup>	18-16 AWG/.82-1.3mm <sup>2</sup>
Torque	4.5 in-lbs./51nm	4.5 in-lbs./51nm	4.5 in-lbs./51nm
Tool	# 1 Posidrive	# 1 Posidrive	# 1 Posidrive
Service Life at Rated Load:	No Load 20,000 operations Full Load 10,000 operations	No Load 20,000 operations Full Load 10,000 operations	No Load 20,000 operations Full Load 10,000 operations
Shock Resistance:	30g minimum of 2 impacts, shock duration of 13ms	30g minimum of 2 impacts, shock duration of 13ms	30g minimum of 2 impacts, shock duration of 13ms
Vibration Resistance:	5g, 20 cycles, 5 Hz, 150 Hz @ 0.8 ~ 1n	5g, 20 cycles, 5 Hz, 150 Hz @ 0.8 ~ 1n	5g, 20 cycles, 5 Hz, 150 Hz @ 0.8 ~ 1n

## ABB Inc.

Low Voltage Control Products  
16250 W. Glendale Drive  
New Berlin, WI 53151  
Phone: 888-385-1221  
Fax: 800-726-1441  
Web: [www.abb.us/lowvoltage](http://www.abb.us/lowvoltage)