1492-RCD Specifications

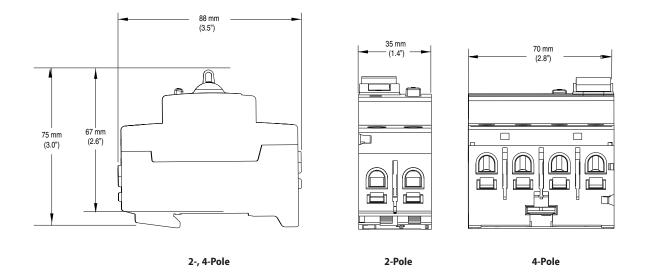
Rated current In	General Data					
Rated sensitivity I\(\text{\text{lam}}\)	Poles		2,4			
Rated short-circuit strength Rated short-circuit strength Rated operational voltage Ue per IEC/EN Rated operational voltage Ue per IEC/EN Rated voltage Ue per UL Max. operating voltage of circuit test Min. operating voltage of circuit test Rated residual breaking capacity Rated residual breaking capacity Rated impulse withstand voltage Uimp (1.2/50µs) Dielectric test voltage at ind. freq. for 1 min. Electrical endurance Protection degree Housing Terminals Ambient temperature (with daily average +35 °C) Storage temperature Wechanical endurance Protection of wire - solid, stranded, flexible (front/back terminal slot) Rated indicator window Red ON/green OFF Environmental Ambient temperature With daily average +35 °C) Storage temperature Accoss-section of wire - solid, stranded, flexible (front/back terminal slot) Rated indicator window Red ON/green OFF Environmental Ambient temperature Accoss-section of wire - solid, stranded, flexible (front/back terminal slot) Rated residual breaking capacity Rated indicator window Red ON/green OFF Environmental Ambient temperature Accoss-section of wire - solid, stranded, flexible (front/back terminal slot) Rated frequency So/60 Hz Rated residual breaking capacity Rated frequency So/60 Hz Rate	Rated current I_{n}		25, 40, 63, 80 A			
Rated operational voltage Ue per IEC/FN Rated operational voltage Ue per IEC/FN Rated operational voltage Ue per UL A80Y/277V AC AMX. operating voltage of circuit test 110V Rated frequency S0/60 Hz Rated conditional short-circuit 10 kA (SCPD - fuse gG 100 A) Rated residual breaking capacity Rated impulse withstand voltage Ump (12/50µs) Dielectric test voltage at ind. freq. for 1 min. Electrical endurance 10,000 operations Mechanical Housing IP4X IP2X	Pated concitivity IAn	2-pole	30, 100, 300 mA			
Rated short-circuit strength Rated operational voltage Ue per IEC/EN Rated operational voltage Ue per UL Max. operating voltage of circuit test Min. operating voltage of circuit test Rated drequency Rated drequency Rated residual breaking capacity Rated impulse withstand voltage Uimp (1.2/50μs) Dielectric test voltage at ind. freq. for 1 min. Electrical endurance Mechanical Indicator window Protection degree Housing Terminals Ambient temperature (with daily average +35 °C) Storage temperature Mechanical endurance Cross-section of wiresolid, stranded, flexible (front/back terminal slot) Fightening torque Mounting Mounting 10 kA with 80 A gG/gL back-up fuse for 80 A device 230/400V AC 480Y/277V AC 480Y/27Y AC 480Y/277V AC 480Y/2004 480Y/277V AC 480Y/2004 480Y/2004 480Y/277V AC 480Y/2004 480Y/2	Kated sensitivity l∆n	4-pole	30, 100, 300, 500 mA			
Rated sport-circuit strength Rated operational voltage Ue per IEC/EN Rated voltage Ue per UL Max. operating voltage of circuit test Min. operating voltage of circuit test Rated frequency Rated residual breaking capacity Rated impulse withstand voltage Uimp (1.2/50µs) Dielectric test voltage at ind. freq. for 1 min. Electrical endurance Mechanical Indicator window Protection degree Housing Terminals Ambient temperature (with daily average +35 °C) Storage temperature Mechanical endurance Protection of wiresolid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting Nak with 80 A gG/gL back-up fuse for 80 A device 230/400V AC 480Y/277V AC 480Y/27V AC 480Y/277V AC 480Y/20/20		ı	Electrical Ratings			
Rated operational voltage Ue per IEC/EN Rated voltage Ue per UL Max. operating voltage of circuit test Min. operating voltage of circuit test Rated frequency Rated frequency Rated residual breaking capacity Rated impulse withstand voltage Uimp (1.2/50µs) Dielectric test voltage at ind. freq. for 1 min. Electrical endurance Mechanical Indicator window Protection degree Housing Ambient temperature (with daily average + 35°C) Storage temperature Mechanical endurance Mechanical endurance Forminal type Cross-section of wire-solid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting Mounting DIN Rail EN 60715 (35 mm) with fast clip device	Rated short-circuit strength					
Max. operating voltage of circuit test 254V AC Min. operating voltage of circuit test 110V Rated frequency 50/60 Hz Rated conditional short-circuit 10 kA (SCPD - fuse gG 100 A) Rated residual breaking capacity 1 kA Rated impulse withstand voltage U _{imp} (1.2/50μs) 4 kV Dielectric test voltage at ind. freq. for 1 min. 2.5 kV Electrical endurance 10,000 operations Mechanical Indicator window Red ON/green OFF Protection degree Housing 1P4X Terminals IP2X Environmental Ambient temperature (with daily average +35 °C) -25+55 °C Storage temperature -40+70 °C Mechanical endurance 20,000 operations Installation Terminal type Cross-section of wire - solid, stranded, flexible (front/back terminal slot) 2563 A 25/25 mm² 80 A 35/35 mm² 184 AWG 60 Cross-section of bus bars (front/back terminal slot) 80 A 16/16 mm² A 2563 A 25 in-lb 2563 A 25 in-lb A 3 in-lb A 3 in-lb Mounting DIN Rail EN 60715 (35 mm) with fast clip device						
Max. operating voltage of circuit test 254V AC Min. operating voltage of circuit test 110V Rated frequency 50/60 Hz Rated conditional short-circuit 10 kA (SCPD - fuse gG 100 A) Rated residual breaking capacity 1 kA Rated impulse withstand voltage U _{imp} (1.2/50μs) 4 kV Dielectric test voltage at ind. freq. for 1 min. 2.5 kV Electrical endurance 10,000 operations Mechanical Indicator window Red ON/green OFF Protection degree Housing 1P4X Terminals IP2X Environmental Ambient temperature (with daily average +35 °C) -25+55 °C Storage temperature -40+70 °C Mechanical endurance 20,000 operations Installation Terminal type Cross-section of wire - solid, stranded, flexible (front/back terminal slot) 2563 A 25/25 mm² 80 A 35/35 mm² 184 AWG 60 Cross-section of bus bars (front/back terminal slot) 80 A 16/16 mm² A 2563 A 25 in-lb 2563 A 25 in-lb A 3 in-lb A 3 in-lb Mounting DIN Rail EN 60715 (35 mm) with fast clip device			480Y/277V AC			
Min. operating voltage of circuit test Rated frequency Rated conditional short-circuit Rated residual breaking capacity Rated impulse withstand voltage U _{imp} (1.2/50µs) Dielectric test voltage at ind. freq. for 1 min. Electrical endurance Mechanical						
Rated frequency Rated conditional short-circuit Rated residual breaking capacity Rated impulse withstand voltage Uimp (1.2/50µs) Dielectric test voltage at ind. freq. for 1 min. Electrical endurance Mechanical Indicator window Protection degree Housing 1P4X Ferminals Environmental Ambient temperature (with daily average +35 °C) Storage temperature (with daily average +35 °C) Storage temperature (with daily average +35 °C) Storage temperature (with daily average +35 °C) Storage temperature (with daily average +35 °C) Storage temperature Cross-section of wire-solid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting DIN Rail EN 60715 (35 mm) with fast clip device						
Rated conditional short-circuit Rated residual breaking capacity Rated impulse withstand voltage Uimp (1.2/50µs) Dielectric test voltage at ind. freq. for 1 min. Electrical endurance Mechanical Indicator window Protection degree Housing 1P4X Terminals IP2X Environmental Ambient temperature (with daily average +35 °C) Storage temperature (with daily average +35 °C) Storage temperature Mechanical endurance Installation Terminal type Cross-section of wire-solid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting DIN Rail EN 60715 (35 mm) with fast clip device						
Rated residual breaking capacity Rated impulse withstand voltage U _{imp} (1.2/50µs) Dielectric test voltage at ind. freq. for 1 min. Electrical endurance Mechanical Indicator window Protection degree Housing Terminals IP4X Terminals IP2X Environmental Ambient temperature (with daily average +35 °C) Storage temperature Mechanical endurance Terminal type Cross-section of wire-solid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting Mounting DIN Rail EN 60715 (35 mm) with fast clip device						
Rated impulse withstand voltage U _{imp} (1.2/50µs) Dielectric test voltage at ind. freq. for 1 min. Electrical endurance	Rated residual breaking capacity					
Dielectric test voltage at ind. freq. for 1 min. Electrical endurance 10,000 operations Mechanical Indicator window Red ON/green OFF Protection degree Housing IP4X Terminals IP2X Environmental Ambient temperature (with daily average +35 °C) Storage temperature -40+70 °C Mechanical endurance 20,000 operations Installation Terminal type Dual terminal Cross-section of wire - solid, stranded, flexible (front/back terminal slot) (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting DIN Rail EN 60715 (35 mm) with fast clip device			4 kV			
Indicator window Red ON/green OFF	Dielectric test voltage at ind. freq. for		2.5 kV			
Indicator window Protection degree Housing IP4X Terminals IP2X Environmental Ambient temperature (with daily average +35 °C) Storage temperature -40+70 °C Mechanical endurance 20,000 operations Installation Terminal type Dual terminal Cross-section of wire - solid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting Red ON/green OFF IP4X 1P2X -25+55 °C -25+55 °C -26+70 °C -40+70 °C -4	Electrical endurance		10,000 operations			
Protection degree Housing IP4X Terminals IP2X Environmental Ambient temperature (with daily average +35 °C) Storage temperature -40+70 °C Mechanical endurance 20,000 operations Installation Terminal type Dual terminal Cross-section of wire - solid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting HOUSING -25+55 °C -25+55 °C 20,000 operations 10.184 AWG 35/35 mm² 184 AWG 35/35 mm² 182 AWG 2563 A 10/10 mm² 2.8 N·m 2563 A 25 in·lb 4.8 N·m 43 in·lb DIN Rail EN 60715 (35 mm) with fast clip device	Mechanical					
Protection degree Terminals IP2X Environmental Ambient temperature (with daily average +35 °C) Storage temperature -40+70 °C Mechanical endurance 20,000 operations Installation Terminal type Dual terminal Cross-section of wire - solid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting DIN Rail EN 60715 (35 mm) with fast clip device	Indicator window		Red ON/green OFF			
Ierminals IP2X	Drotaction dogram	Housing	IP4X			
Ambient temperature (with daily average +35 °C) Storage temperature Mechanical endurance Installation Terminal type Cross-section of wire - solid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Ambient temperature -25+55 °C 20,000 operations Dual terminal 25/25 mm² 184 AWG 35/35 mm² 80 A 182 AWG 182 AWG 2563 A 10/10 mm² 28. N·m 2563 A 25 in·lb 4.8 N·m 43 in·lb DIN Rail EN 60715 (35 mm) with fast clip device	riolection degree	Terminals	IP2X			
(with daily average +35 °C) Storage temperature Mechanical endurance Installation Terminal type Cross-section of wire - solid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting Construction of wire - solid, stranded, flexible (front/back terminal slot) Terminal type Dual terminal 25/25 mm² 184 AWG 35/35 mm² 182 AWG 182 AWG 182 AWG 2563 A 10/10 mm² 28 N·m 25 in·lb 4.8 N·m 43 in·lb DIN Rail EN 60715 (35 mm) with fast clip device			Environmental			
Mechanical endurance Installation Terminal type Cross-section of wire - solid, stranded, flexible (front/back terminal slot) Cross-section of bus bars (front/back terminal slot) Tightening torque Mounting Dual terminal 25/25 mm² 184 AWG 35/35 mm² 182 AWG 182 AWG 2563 A 10/10 mm² 28. N·m 25 in·lb 4.8 N·m 43 in·lb DIN Rail EN 60715 (35 mm) with fast clip device			-25+55 ℃			
Terminal type	Storage temperature		-40+70 °C			
Terminal type Dual terminal Cross-section of wire-solid, stranded, flexible (front/back terminal slot) 2563 A Cross-section of bus bars (front/back terminal slot) 80 A 182 AWG Cross-section of bus bars (front/back terminal slot) 2563 A 10/10 mm² 80 A 16/16 mm² 2563 A 25 in·lb 4.8 N·m 43 in·lb Mounting DIN Rail EN 60715 (35 mm) with fast clip device	Mechanical endurance		20,000 operations			
Cross-section of wire - solid, stranded, flexible (front/back terminal slot) 2563 A 184 AWG Cross-section of bus bars (front/back terminal slot) 2563 A 10/10 mm² Ro A 16/16 mm² 2563 A 25 in·lb Mounting 43 in·lb DIN Rail EN 60715 (35 mm) with fast clip device	Installation					
Cross-section of wire - solid, stranded, flexible (front/back terminal slot) 2563 A 184 AWG Ro A 35/35 mm² 182 AWG Cross-section of bus bars (front/back terminal slot) 2563 A 10/10 mm² Ro A 16/16 mm² 2563 A 25 in·lb 4.8 N·m 43 in·lb Mounting DIN Rail EN 60715 (35 mm) with fast clip device	Terminal type		Dual terminal			
184 AWG 35/35 mm² 182 AWG 35/35 mm² 182 AWG 2563 A 10/10 mm² 2563 A 2563 A 25 in·lb 25 in·lb 4.8 N·m 43 in·lb DIN Rail EN 60715 (35 mm) with fast clip device 184 AWG 35/35 mm² 2663 A 10/10 mm² 2663 A 26.		25 62 1	25/25 mm ²			
(front/back terminal slot) 80 A 35/35 mm² Cross-section of bus bars (front/back terminal slot) 2563 A 10/10 mm² Tightening torque 2563 A 25 in·lb 4.8 N·m 43 in·lb Mounting DIN Rail EN 60715 (35 mm) with fast clip device		2563 A	184 AWG			
182 AWG	, ,	QΩ Λ	35/35 mm ²			
(front/back terminal slot) 80 A 16/16 mm² Tightening torque 2563 A 2.8 N·m 80 A 4.8 N·m 4.8 N·m 43 in·lb Mounting DIN Rail EN 60715 (35 mm) with fast clip device		00 A	182 AWG			
2563 A 2.8 N·m 25 in·lb 80 A 4.8 N·m 43 in·lb Mounting DIN Rail EN 60715 (35 mm) with fast clip device		2563 A	10/10 mm ²			
2563 A 25 in-lb	(front/back terminal slot)	80 A	16/16 mm ²			
Tightening torque 25 in-lb 80 A 4.8 N·m 43 in-lb 43 in-lb Mounting DIN Rail EN 60715 (35 mm) with fast clip device	Tightening torque	2563 A	2.8 N·m			
80 A 4.8 N·m 43 in·lb Mounting DIN Rail EN 60715 (35 mm) with fast clip device			25 in·lb			
43 in-lb Mounting DIN Rail EN 60715 (35 mm) with fast clip device		80 A	4.8 N·m			
			43 in·lb			
Supply Optional	Mounting		· · · · · · · · · · · · · · · · · · ·			
	Supply		Optional			

Approximate Dimensions and Weight					
Dimensions (H x D x W)	2-pole	88 x 67 x 35 mm			
	4-pole	88 x 67 x 70 mm			
Weight	2-pole	200 g (7.1 oz.)			
	4-pole	350 g (12.3 oz.)			
Combination with Auxiliary Elements					
Auxiliary contact		Yes			
Signal contact		Yes			

Power Loss Due to Current

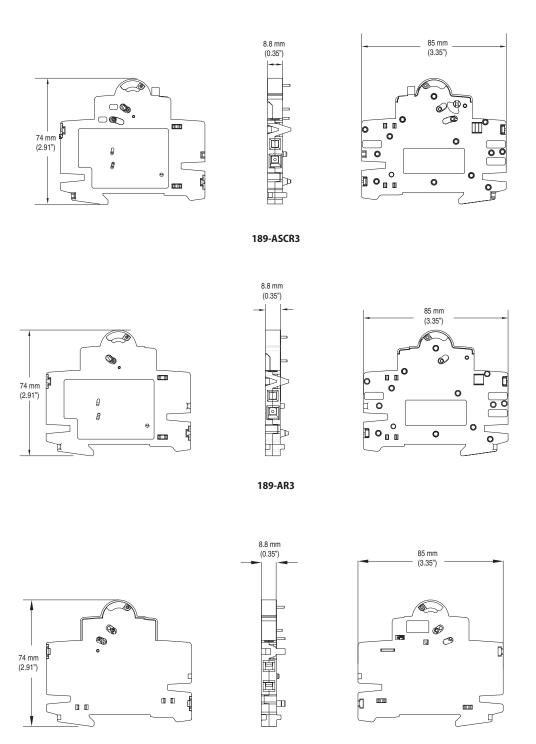
	Power Loss [W]		
Rated Current [A]	2-pole	4-pole	
25	1	1.3	
40	2.4	3.2	
63	3.2	4.4	
80	8.8	33.3	

Approximate Dimensions Note: Dimensions are shown in millimeters (inches). Dimensions are not intended for manufacturing purposes.



Accessory Approximate Dimensions

Note: Dimensions are shown in millimeters (inches). Dimensions are not intended for manufacturing purposes.

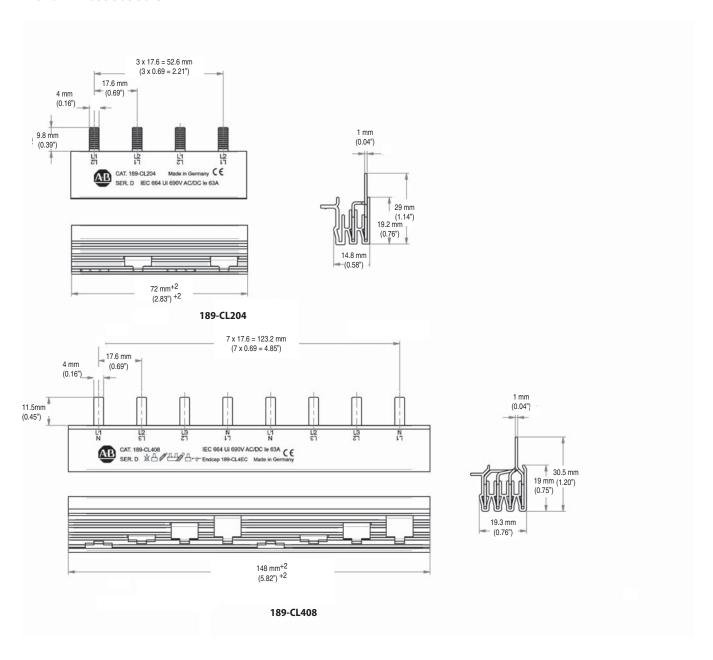


189-AR11, 189-AR02, 189-AR20

Bus Bar Approximate Dimensions

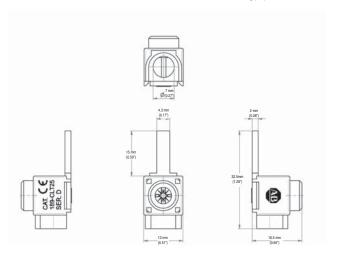
Note: Dimensions are shown in millimeters (inches). Dimensions are not intended for manufacturing purposes.

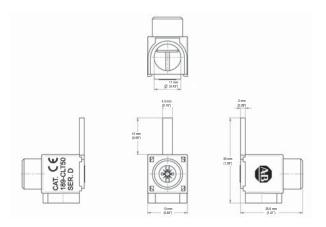
2- and 4-Phase Bus Bars



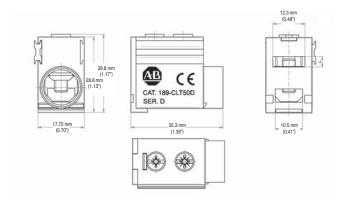
Bus Bar Accessory Approximate Dimensions

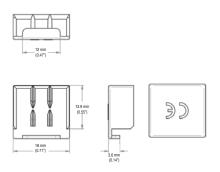
Note: Dimensions are shown in millimeters. Dimensions are not intended for manufacturing purposes.



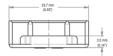


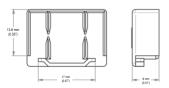
189-CLT25 189-CLT50

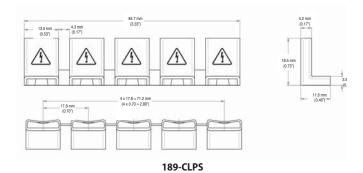




189-CLT50D 189-CL3EC







189-CL4EC