



UL489 Miniature Breakers (Branch-Circuit Protection)



UL489 Miniature Breakers (Branch-Circuit Protection)

Overview

WEG UL489 miniature circuit breakers provide true branch-circuit protection for industrial and commercial panels. Built on robust thermal-magnetic technology in a compact DIN-rail package, they safely interrupt overloads and short-circuits at the source—helping you meet code, protect equipment, and minimize downtime.

Key Benefits

- UL 489 Listed for branch-circuit protection in accordance with the NEC
- Thermal-magnetic trip for dependable response to both overloads and faults
- Compact DIN-rail footprint to maximize panel density and speed installation
- Multiple pole options and ratings to match common AC/DC applications
- Clear status indication with positive trip and easy reset
- Accessory-ready (auxiliary signaling, shunt/undervoltage releases, lockout solutions*)
- Selective, coordinated protection with downstream devices for faster fault isolation

**Accessory availability varies by model/series.*

Typical Applications

- Feeder and branch circuits in control panels and OEM machinery
- Protection for power supplies, control transformers, and distribution rows
- HVAC, building automation, lighting, and receptacle circuits
- Conveyors, packaging equipment, pumps, and process skids

Why WEG

- Reliability you can specify: Durable construction and consistent trip performance
- Panel-builder friendly: Standardized terminals, clear markings, and quick DIN-rail mounting
- Global partner: WEG's worldwide support and product availability
- UL489 vs. UL1077: UL489 breakers are intended for branch-circuit protection and can serve as the primary overcurrent device. UL1077 devices are supplementary protectors used within equipment and must be installed downstream of a UL489 device.

Source: <https://www.automationandpower.com/miniature-489-breakers>

UMBW Series – 1 Pole

Poles	Ampacity	Catalog (B Curve)	Catalog (C Curve)	Catalog (D Curve)	Maximum Voltage
1	1	UMBW-4B1-1	UMBW-4C1-1	UMBW-4D1-1	277 VAC / 60 VDC
1	1.2	UMBW-4B1-1.2	UMBW-4C1-1.2	UMBW-4D1-1.2	277 VAC / 60 VDC
1	1.5	UMBW-4B1-1.5	UMBW-4C1-1.5	UMBW-4D1-1.5	277 VAC / 60 VDC
1	1.6	UMBW-4B1-1.6	UMBW-4C1-1.6	UMBW-4D1-1.6	277 VAC / 60 VDC
1	2	UMBW-4B1-2	UMBW-4C1-2	UMBW-4D1-2	277 VAC / 60 VDC
1	3	UMBW-4B1-3	UMBW-4C1-3	UMBW-4D1-3	277 VAC / 60 VDC
1	4	UMBW-4B1-4	UMBW-4C1-4	UMBW-4D1-4	277 VAC / 60 VDC
1	5	UMBW-4B1-5	UMBW-4C1-5	UMBW-4D1-5	277 VAC / 60 VDC
1	6	UMBW-4B1-6	UMBW-4C1-6	UMBW-4D1-6	277 VAC / 60 VDC
1	8	UMBW-4B1-8	UMBW-4C1-8	UMBW-4D1-8	277 VAC / 60 VDC
1	10	UMBW-4B1-10	UMBW-4C1-10	UMBW-4D1-10	277 VAC / 60 VDC
1	13	UMBW-4B1-13	UMBW-4C1-13	UMBW-4D1-13	277 VAC / 60 VDC
1	15	UMBW-4B1-15	UMBW-4C1-15	UMBW-4D1-15	277 VAC / 60 VDC
1	20	UMBW-4B1-20	UMBW-4C1-20	UMBW-4D1-20	277 VAC / 60 VDC
1	25	UMBW-4B1-25	UMBW-4C1-25	UMBW-4D1-25	277 VAC / 60 VDC
1	30	UMBW-4B1-30	UMBW-4C1-30	UMBW-4D1-30	277 VAC / 60 VDC
1	35	UMBW-4B1-35	UMBW-4C1-35	UMBW-4D1-35	277 VAC / 60 VDC
1	40	UMBW-4B1-40	UMBW-4C1-40	UMBW-4D1-40	277 VAC / 60 VDC
1	50	UMBW-4B1-50	UMBW-4C1-50	UMBW-4D1-50	277 VAC / 60 VDC
1	60	UMBW-4B1-60	UMBW-4C1-60	UMBW-4D1-60	277 VAC / 60 VDC

UMBW Series – 2 Pole

Poles	Ampacity	Catalog (B Curve)	Catalog (C Curve)	Catalog (D Curve)	Maximum Voltage
2	1	--	UMBW-4C2-1	UMBW-4D2-1	480Y/277 VAC / 125 VDC (2-poles in series)
2	1.2	--	UMBW-4C2-1.2	--	480Y/277 VAC / 125 VDC (2-poles in series)
2	1.5	--	UMBW-4C2-1.5	UMBW-4D2-1.5	480Y/277 VAC / 125 VDC (2-poles in series)
2	1.6	--	UMBW-4C2-1.6	--	480Y/277 VAC / 125 VDC (2-poles in series)
2	2	--	UMBW-4C2-2	UMBW-4D2-2	480Y/277 VAC / 125 VDC (2-poles in series)
2	3	--	UMBW-4C2-3	UMBW-4D2-3	480Y/277 VAC / 125 VDC (2-poles in series)

Poles	Ampacity	Catalog (B Curve)	Catalog (C Curve)	Catalog (D Curve)	Maximum Voltage
2	4	--	UMBW-4C2-4	UMBW-4D2-4	480Y/277 VAC / 125 VDC (2-poles in series)
2	5	--	UMBW-4C2-5	UMBW-4D2-5	480Y/277 VAC / 125 VDC (2-poles in series)
2	6	--	UMBW-4C2-6	UMBW-4D2-6	480Y/277 VAC / 125 VDC (2-poles in series)
2	8	--	UMBW-4C2-8	UMBW-4D2-8	480Y/277 VAC / 125 VDC (2-poles in series)
2	10	--	UMBW-4C2-10	UMBW-4D2-10	480Y/277 VAC / 125 VDC (2-poles in series)
2	13	--	UMBW-4C2-13	UMBW-4D2-13	480Y/277 VAC / 125 VDC (2-poles in series)
2	15	--	UMBW-4C2-15	UMBW-4D2-15	480Y/277 VAC / 125 VDC (2-poles in series)
2	20	--	UMBW-4C2-20	UMBW-4D2-20	480Y/277 VAC / 125 VDC (2-poles in series)
2	25	--	UMBW-4C2-25	UMBW-4D2-25	480Y/277 VAC / 125 VDC (2-poles in series)
2	30	--	UMBW-4C2-30	UMBW-4D2-30	480Y/277 VAC / 125 VDC (2-poles in series)
2	35	--	UMBW-4C2-35	UMBW-4D2-35	480Y/277 VAC / 125 VDC (2-poles in series)
2	40	--	UMBW-4C2-40	UMBW-4D2-40	480Y/277 VAC / 125 VDC (2-poles in series)
2	50	--	UMBW-4C2-50	UMBW-4D2-50	480Y/277 VAC / 125 VDC (2-poles in series)
2	60	--	UMBW-4C2-60	UMBW-4D2-60	480Y/277 VAC / 125 VDC (2-poles in series)

UMBW Series – 3 Pole

Poles	Ampacity	Catalog (C Curve)	Catalog (D Curve)	Maximum Voltage
3	1	UMBW-4C3-1	UMBW-4D3-1	480Y/277 VAC / 125 VDC (2-poles in series)
3	1.2	UMBW-4C3-1.2	UMBW-4D3-1.2	480Y/277 VAC / 125 VDC (2-poles in series)
3	1.5	UMBW-4C3-1.5	UMBW-4D3-1.5	480Y/277 VAC / 125 VDC (2-poles in series)
3	1.6	UMBW-4C3-1.6	UMBW-4D3-1.6	480Y/277 VAC / 125 VDC (2-poles in series)
3	2	UMBW-4C3-2	UMBW-4D3-2	480Y/277 VAC / 125 VDC (2-poles in series)
3	3	UMBW-4C3-3	UMBW-4D3-3	480Y/277 VAC / 125 VDC (2-poles in series)
3	4	UMBW-4C3-4	UMBW-4D3-4	480Y/277 VAC / 125 VDC (2-poles in series)
3	5	UMBW-4C3-5	UMBW-4D3-5	480Y/277 VAC / 125 VDC (2-poles in series)
3	6	UMBW-4C3-6	UMBW-4D3-6	480Y/277 VAC / 125 VDC (2-poles in series)
3	8	UMBW-4C3-8	UMBW-4D3-8	480Y/277 VAC / 125 VDC (2-poles in series)
3	10	UMBW-4C3-10	UMBW-4D3-10	480Y/277 VAC / 125 VDC (2-poles in series)
3	13	UMBW-4C3-13	UMBW-4D3-13	480Y/277 VAC / 125 VDC (2-poles in series)
3	15	UMBW-4C3-15	UMBW-4D3-15	480Y/277 VAC / 125 VDC (2-poles in series)
3	20	UMBW-4C3-20	UMBW-4D3-20	480Y/277 VAC / 125 VDC (2-poles in series)

Poles	Ampacity	Catalog (C Curve)	Catalog (D Curve)	Maximum Voltage
3	25	UMBW-4C3-25	UMBW-4D3-25	480Y/277 VAC / 125 VDC (2-poles in series)
3	30	UMBW-4C3-30	UMBW-4D3-30	480Y/277 VAC / 125 VDC (2-poles in series)
3	35	UMBW-4C3-35	UMBW-4D3-35	480Y/277 VAC / 125 VDC (2-poles in series)
3	40	UMBW-4C3-40	UMBW-4D3-40	480Y/277 VAC / 125 VDC (2-poles in series)
3	50	UMBW-4C3-50	UMBW-4D3-50	480Y/277 VAC / 125 VDC (2-poles in series)
3	60	UMBW-4C3-60	UMBW-4D3-60	480Y/277 VAC / 125 VDC (2-poles in series)