

Highly-Rated Branch and Supplementary Circuit Breakers

Finger-Safe

For UL489 or UL1077 industrial control applications, with optional lock-ability in "ON" or "OFF" position

Fully-rated

Higher voltage and current ratings 277/480V and up to 60A max in 1-, 2- and 3-pole models

Space-saving

High density (17.5mm wide) DIN-rail mounting

Wide Accessory Offering

Approved busbars, Auxiliary contacts and Neutral switch


Rugged Construction

High vibration / mechanical shock resistance >15g to DIN EN 60068-2-59 / 25g 11ms



Let's Connect

Competitive Comparisons - UL489 Branch Protection Circuit Breakers

	Weidmüller  connectPower	Siemens	A B B	Eaton Cutler-Hammer Moeller	Schneider Square D Merlin Gerin
Typical Model	BR 1 C 10 AC	5SJ4 110 7HG42	S201 UP B10	WMZ-T-1-C-10	MGN 61305
Rating (UL)	0.5 - 32A (277/480V) 40 - 63A (240V)	0.3 - 40A (277/480V)	0.2 - 25A (277/480V) 30 - 63A (240V)	0.5 - 32A (277/480V) 40A (240V)	0.5 - 35A (120/240V)
SCCR	10kA	10kA	10kA	10kA	5kA / 10kA
Trip curves	C, D	C, D	K, Z	B, C, D	B, C, D
Width on rail/pole	17.5mm	18mm	17.5mm	17.7mm	18mm
Connections	Screw/Ring	Screw clamp	Screw clamp	Screw / Ring	Screw / Ring
Standard wire connection size	18....3/6AWG	14....4AWG	18... 14AWG	18...8AWG	14....4/2AWG


Typical Branch (BR) Models

Description (1 Pole)	Part Number
Branch / 1P Cct Brkr / D Curve / 0.5A	BR1D05AC
Branch / 1P Cct Brkr / D Curve / 1A	BR1D1AC
Branch / 1P Cct Brkr / D Curve / 2A	BR1D2AC
Branch / 1P Cct Brkr / D Curve / 3A	BR1D3AC
Branch / 1P Cct Brkr / D Curve / 5A	BR1D5AC
Branch / 1P Cct Brkr / D Curve / 10A	BR1D10AC
Branch / 1P Cct Brkr / D Curve / 15A	BR1D15AC
Branch / 1P Cct Brkr / D Curve / 20A	BR1D20AC
Branch / 1P Cct Brkr / D Curve / 25A	BR1D25AC
Branch / 1P Cct Brkr / D Curve / 30A	BR1D30AC
Branch / 1P Cct Brkr / D Curve / 40A	BR1D40AC
Branch / 1P Cct Brkr / D Curve / 50A	BR1D50AC
Branch / 1P Cct Brkr / D Curve / 60A	BR1D60AC

Description (2 Pole)	Part Number
Branch / 2P Cct Brkr / D Curve / 0.5A	BR2D05AC
Branch / 2P Cct Brkr / D Curve / 1A	BR2D1AC
Branch / 2P Cct Brkr / D Curve / 2A	BR2D2AC
Branch / 2P Cct Brkr / D Curve / 5A	BR2D5AC
Branch / 2P Cct Brkr / D Curve / 10A	BR2D10AC
Branch / 2P Cct Brkr / D Curve / 15A	BR2D15AC
Branch / 2P Cct Brkr / D Curve / 20A	BR2D20AC
Branch / 2P Cct Brkr / D Curve / 25A	BR2D25AC
Branch / 2P Cct Brkr / D Curve / 30A	BR2D30AC
Branch / 2P Cct Brkr / D Curve / 40A	BR2D40AC
Branch / 2P Cct Brkr / D Curve / 50A	BR2D50AC
Branch / 2P Cct Brkr / D Curve / 60A	BR2D60AC

Description (3 Pole)	Part Number
Branch / 3P Cct Brkr / D Curve / 1A	BR3D1AC
Branch / 3P Cct Brkr / D Curve / 2A	BR3D2AC
Branch / 3P Cct Brkr / D Curve / 5A	BR3D5AC
Branch / 3P Cct Brkr / D Curve / 10A	BR3D10AC
Branch / 3P Cct Brkr / D Curve / 15A	BR3D15AC
Branch / 3P Cct Brkr / D Curve / 20A	BR3D20AC
Branch / 3P Cct Brkr / D Curve / 25A	BR3D25AC
Branch / 3P Cct Brkr / D Curve / 30A	BR3D30AC
Branch / 3P Cct Brkr / D Curve / 40A	BR3D40AC
Branch / 3P Cct Brkr / D Curve / 50A	BR3D50AC
Branch / 3P Cct Brkr / D Curve / 60A	BR3D60AC

Competitive Comparisons - UL1077 Supplementary Protection Circuit Breakers

	Weidmüller  connectPower	Siemens	A B B	Eaton Cutler-Hammer Moeller	Schneider Square D Merlin Gerin
Typical Model	SU 1 C 10 AC	5SY4 108 8	5SY4 108 8	WMZS1C20	MG 17414
Rating (UL)	0.5 - 60A (277/480V)	0.5 - 63A (480Y/277VAC)	0.5 - 63A (480Y/277VAC)	0.5 - 63A (480Y/277VAC) (48VDC)	0.5 - 63A (480Y/277 VAC)
SCCR	10kA	10kA	10kA	10kA	5kA / 10kA
Trip curves	B, C, D	A, B, C, D	A, B, C, D	B, C, D	B, C, D
Width on rail/pole	17.5mm	18mm	18mm	17.5mm	18mm
Connections	Screw/Ring	Screw clamp	Screw clamp	Screw / Ring	Screw / Ring
Standard wire connection size	18....3/6AWG	14....4AWG	14....4AWG	18...8AWG	14....4/2AWG

Typical Supplementary (SU) Models

Description (1 Pole)	Part Number
Suppl / 1P Cct Brkr / C Curve / 0.5A	SU1C05AC
Suppl / 1P Cct Brkr / C Curve / 1A	SU1C1AC
Suppl / 1P Cct Brkr / C Curve / 2A	SU1C2AC
Suppl / 1P Cct Brkr / C Curve / 3A	SU1C3AC
Suppl / 1P Cct Brkr / C Curve / 5A	SU1C5AC
Suppl / 1P Cct Brkr / C Curve / 10A	SU1C10AC
Suppl / 1P Cct Brkr / C Curve / 15A	SU1C15AC
Suppl / 1P Cct Brkr / C Curve / 20A	SU1C20AC
Suppl / 1P Cct Brkr / C Curve / 25A	SU1C25AC
Suppl / 1P Cct Brkr / C Curve / 30A	SU1C30AC
Suppl / 1P Cct Brkr / C Curve / 40A	SU1C40AC
Suppl / 1P Cct Brkr / C Curve / 50A	SU1C50AC
Suppl / 1P Cct Brkr / C Curve / 60A	SU1C60AC

Description (2 Pole)	Part Number
Suppl / 2P Cct Brkr / C Curve / 0.5A	SU2C05AC
Suppl / 2P Cct Brkr / C Curve / 1A	SU2C1AC
Suppl / 2P Cct Brkr / C Curve / 2A	SU2C2AC
Suppl / 2P Cct Brkr / C Curve / 5A	SU2C5AC
Suppl / 2P Cct Brkr / C Curve / 10A	SU2C10AC
Suppl / 2P Cct Brkr / C Curve / 15A	SU2C15AC
Suppl / 2P Cct Brkr / C Curve / 20A	SU2C20AC
Suppl / 2P Cct Brkr / C Curve / 25A	SU2C25AC
Suppl / 2P Cct Brkr / C Curve / 30A	SU2C30AC
Suppl / 2P Cct Brkr / C Curve / 40A	SU2C40AC
Suppl / 2P Cct Brkr / C Curve / 50A	SU2C50AC
Suppl / 2P Cct Brkr / C Curve / 60A	SU2C60AC

Description (3 Pole)	Part Number
Suppl / 3P Cct Brkr / C Curve / 1A	SU3C1AC
Suppl / 3P Cct Brkr / C Curve / 2A	SU3C2AC
Suppl / 3P Cct Brkr / C Curve / 5A	SU3C5AC
Suppl / 3P Cct Brkr / C Curve / 10A	SU3C10AC
Suppl / 3P Cct Brkr / C Curve / 15A	SU3C15AC
Suppl / 3P Cct Brkr / C Curve / 20A	SU3C20AC
Suppl / 3P Cct Brkr / C Curve / 25A	SU3C25AC
Suppl / 3P Cct Brkr / C Curve / 30A	SU3C30AC
Suppl / 3P Cct Brkr / C Curve / 40A	SU3C40AC
Suppl / 3P Cct Brkr / C Curve / 50A	SU3C50AC
Suppl / 3P Cct Brkr / C Curve / 60A	SU3C60AC

Information

Information is available for download on the web at www.weidmuller.com.
Printed catalog versions are also available and can be ordered online.

Ref. No.	Description
LIT1221	BR & SU Series Datasheet

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