




Bulletin 141A
MCS Mounting System
 Product Selection

Busbar Components, Continued

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	Description	Busbar [mm]	Pkg. Qty.	Cat. No.	
	Supply Module 3-pole For use with Compact Busbar Supports, Cat. No. 141A-CTU3 6...50 mm ² (10...1/0 AWG) round conductors and flat conductors up to 6 x 9 x 0.8 54 mm wide (meets feeder circuit spacings per UL 508A)	12 x 5 or 12 x 10	1	141A-CVN350	
	Supply Module 3-pole For use with Compact Busbar Supports, Cat. No. 141A-CTU3 35...150 mm ² (2 AWG...300 MCM) round conductors and flat conductors up to 10 x 20 x 1 90 mm wide (meets feeder circuit spacings per UL 508A)	12 x 5 or 12 x 10	1	141A-CVN3150	
	Supply Module 3-pole 6...50 mm ² (10...1/0 AWG) 54 mm wide (meets feeder circuit spacings per UL 508A)	12...30 x 5 or 12...30 x 10 or TT	1	141A-VN370	
	Supply Module 3-pole 35...120 mm ² (2 AWG...250 MCM) 81 mm wide (meets feeder circuit spacings per UL 508A)		1	141A-VN3120	
	Supply Module 3-pole 95...185 mm ² (3/0 AWG...350 MCM) 135 mm wide	20...30 x 5 or 20...30 x 10 or TT	1	141A-VN3185	
	Supply Module 3-pole for round conductors 120...300 mm ² (250...600 MCM) 135 mm wide		1	141A-VN3300R	
	Supply Module 3-pole for flat conductors up to 32 x 20 mm equivalent to 300 mm ² (300...600 MCM) round conductor ampacity 135 mm wide		1	141A-VN3300F	
	Supply Module 3-Pole (set of 3 terminals) for round conductors 120...300 mm ² (250...600 MCM) 153 mm wide (3 single poles of 51 mm each) (meets feeder circuit spacings per UL 508A) Requires Cat. No. 141A-BK180, 141A-BK228 or 141A-BK250 terminal cover	20...30 x 5 or 20...30 x 10 or TT	1	141A-VU3300R	
	Supply Module 3-Pole (set of 3 terminals) for flat conductors up to 32x20 mm equivalent to 300 mm ² (600 MCM) 153 mm wide (3 single poles of 51 mm each) (meets feeder circuit spacings per UL 508A) Requires Cat. No. 141A-BK180, 141A-BK228 or 141A-BK250 terminal cover		1	141A-VU3300F	
	Single Terminals Single terminals for supplying busbars 2.5...16 mm ² (#14...6 AWG)	12...30 x 5	25	141A-VS116	
		12...30 x 10		141A-VS216	
	Single Terminals Single terminals for supplying busbars 4...35 mm ² (#12...2 AWG)	12...30 x 5		141A-VS135	
		12...30 x 10		141A-VS235	
	Single Terminals Single terminals for supplying busbars 16...70 mm ² (#6...2/0 AWG)	12...30 x 5		141A-VS170	
		12...30 x 10		141A-VS270	
	Single Terminals Single terminals for supplying busbars 16...120 mm ² (#6...250 MCM)	12...30 x 10		141A-VS2120	
	Description	Max. Terminal Space (W x H) [mm]	Busbar [mm]	Pkg. Qty.	Cat. No.
	Brace Terminals 3-pole For the connection of flat or flexible copper busbars (meets feeder circuit spacings per UL508A)	55 x 28	30 x 10 or TT	1	141A-VB75528F
		68 x 28			141A-VB76828F
		105 x 28			141A-VB710528F

Bulletin 141A
MCS Mounting System
 Specifications

Short-Circuit Current Ratings (support spacing at 800 mm)

Cat. No.	Description	Max. Circuit Bkr. Cat. No.	C. B. Rating	SCCR		Max. Class CC, J or T Fuse	SCCR 480V	Max. Class CC, J or T Fuse	SCCR 600V
				480V	600V				
141A-B125*	12x5 Copper Bus Bar	140U-J6D3-D25	250 A	65 kA	25 kA	400 A	100 kA	400 A	100 kA
141A-B1210*	12x10 Copper Bus Bar	140U-J6D3-D25	250 A	65 kA	25 kA	400 A	100 kA	400 A	100 kA
141A-B205*	20x5 Copper Bus Bar	140U-K6D3-D40	400 A	65 kA	35 kA	500 A	100 kA	400 A	100 kA
141A-B2010*	20x10 Copper Bus Bar	140U-K6D3-D40	400 A	65 kA	35 kA	500 A	100 kA	400 A	100 kA
141A-B305*	30x5 Copper Bus Bar	140U-K6D3-D40	400 A	65 kA	35 kA	500 A	100 kA	500 A	100 kA
		140U-L6D3-D60	600 A	—	35 kA	500 A	100 kA	500 A	100 kA
141A-B3010*	30x10 Copper Bus Bar	140U-K6D3-D40	400 A	65 kA	35 kA	600 A	100 kA	600 A	100 kA
		140U-L6D3-D60	600 A	65 kA	35 kA	600 A	100 kA	600 A	100 kA
141A-BT1*NZ	TT Copper Bus Bar	140U-M6D3-D80	800 A	65 kA	30 kA	800 A Class T	100 kA	600 A	100 kA
141A-TU3	Bus Bar Support	140U-K6D3-D40	400 A	65 kA	35 kA	600 A	100 kA	600 A	100 kA
		140U-L6D3-D60	600 A	65 kA	35 kA	600 A	100 kA	600 A	100 kA
141A-T13	Bus Bar Support	140U-M6D3-D80	800 A	65 kA	30 kA	800 A Class T	100 kA	600 A	100 kA
141A-TR3E	BB Support End Cover	140U-K6D3-D40	400 A	65 kA	35 kA	600 A	100 kA	600 A	100 kA
		140U-L6D3-D60	600 A	65 kA	35kA	600 A	100 kA	600 A	100 kA
141A-T13E	BB Support End Cover	140U-M6D3-D80	800 A	65 kA	30 kA	800 A Class T	100 kA	600 A	100 kA
141A-VN370	Supply Module	140U-J6D3-D25	250 A	65 kA	25 kA	400 A	100 kA	400 A	100 kA
141A-VN3120	Supply Module	140U-K6D3-D40	400 A	65 kA	35 kA	600 A	100 kA	600 A	100 kA
		140U-L6D3-D60	600 A	65 kA	35 kA	600 A	100 kA	600 A	100 kA
141A-VN3185	Supply Module	140U-K6D3-D40	400 A	65 kA	35 kA	500 A	100 kA	300 A	100 kA
141A-VN3300R	Supply Module	140U-K6D3-D40	400 A	65 kA	35 kA	500 A	100 kA	300 A	100 kA
141A-VU3300R	Supply Module	140U-K6D3-D40	400 A	65 kA	35 kA	500 A	100 kA	300 A	100 kA
141A-VS54136F	Profile Terminals	140U-M6D3-D80	800 A	65 kA	30 kA	800 A Class T	100 kA	600 A	100 kA
141A-CUH125B	Circuit Breaker Module	140U-H6C3-D12	125 A	65 kA	25 kA	N/A	N/A	N/A	N/A
141A-CUH125T	Circuit Breaker Module	140U-H6C3-D12	125 A	65 kA	25 kA	N/A	N/A	N/A	N/A
141A-CUJ250	Circuit Breaker Module	140U-J6D3-D25	250 A	65 kA	25 kA	N/A	N/A	N/A	N/A
141A-CUL600	Circuit Breaker Module	140U-K6D3-D40	400 A	65 kA	35 kA	N/A	N/A	N/A	N/A
		140U-L6D3-D60	600 A	65 kA	35 kA	N/A	N/A	N/A	N/A
141A-SS*25 141A-SM*25 141A-GS*25 141A-GM*25 141A-FS*25 141A-FM*25	Bus Bar Module	140M-C2E-B16	1.6 A	65 kA	47 kA	30 A	100 kA	30 A	100 kA
		140M-C2E-C10	10 A	65 kA	30 kA	30 A	100 kA	30 A	100 kA
		140M-C2E-C25	25 A	30 kA	30 kA	30 A	100 kA	30 A	100 kA
		140M-D8E-C25	25 A	65 kA	30 kA	30 A	100 kA	30 A	100 kA
141A-SS*45 141A-SM*45 141A-GS*45 141A-GM*45	Bus Bar Module	140M-F8E-C32	32A	65 kA	30 kA	—	—	—	—
		140M-F8E-C45	45 A	65 kA	18 kA	—	—	—	—

Busbars (required quality)

Material		E-CU blank or tinned
Busbar widths 5 or 10 mm thick	[mm]	12, 15, 20, 25, 30
Tolerance of thickness	[mm]	+0.1/-0.3
Corner radius	[mm]	0.5
Tolerance of center spacing	[mm]	60 +0.5/-0.5
Standard		DIN 46433

General Data

Main Circuits

Rated insulation voltage U_i		
Acc. to IEC, EN	[V]	690
Acc. to UL, NEMA, CSA, EEMAC	[V]	600
Rated impulse withstand voltage U_{imp}	[kV]	8
Rated frequency	[Hz]	50...60
Pollution degree		3
Ambient temperature		
Operation	[°C]	-25...+60
Transport and storage	[°C]	-50...+80

Protection class	
- Modules and busbars	IP00
- Modules and busbars mounted on plate, connected conductors and usage of busbar covers	IP20
- Iso-Modules with device adapter plate removed, from front	IP20 B (finger proof)
Standards and Norms	IEC/EN 60439-1
Certifications	CE, cULus Recognized



Control Circuits

Control plugs		
Rated insulation voltage U_i		
Acc. to IEC, EN	[V]	250
Acc. to UL, NEMA, CSA, EEMAC	[V]	300
Rated impulse withstand voltage U_{imp}	[kV]	4
Rated current at 40 °C ambient temperature I_{th}	[A]	12

Micro switch		
Rated insulation voltage U_i		
Acc. to IEC, EN	[V]	250
Acc. to UL, NEMA, CSA, EEMAC	[V]	300
Rated current		Suitable for switching contactors 100-C AC-coil-voltage \leq 250 V DC-coil-voltage \leq 120 V

Weight [g]

MCS Iso Busbar Module	[g]
141A-SM45RS25	402
141A-SM45S	300
141A-SM54RS25	418
141A-SM54RS45	494
141A-SM54S	327
141A-SM63RS45	502
141A-SM63S	405
141A-SS45R	279
141A-SS45RR25	381
141A-SS54R	305
141A-SS54RR25	396
141A-SS54RR45	472
141A-SS63RR45	480

MCS Standard Busbar Module	[g]
141A-CC45R32	198
141A-CC54R63	218
141A-FM45SS25	293
141A-FM54SS63	349
141A-FM63SS63	370
141A-FM72SS63	408
141A-FM81SS63	429
141A-FS45S25	272
141A-FS54S63	328
141A-FS63S63	349
141A-FS72S63	387
141A-FS81S63	408
141A-GM45RS25	313
141A-GM54RS25	368
141A-GM54RS45	379
141A-GM63RS45	400
141A-GM45S	211
141A-GM54S	277
141A-GM63S	298
141A-GS45R	200
141A-GS45RR25	302
141A-GS54R	226
141A-GS54RR25	347
141A-GS54RR45	358
141A-GS63RR45	379
141A-GS72S	268
141A-GS81S	289
141A-GS90M125	781
141A-GS180M125	1021
141A-GS270M125	1271

MCS Standard Busbar Module >100 A	[g]
141A-FL110V250T	1200
141A-FS108V200B	1000
141A-FS108V200T	1000
MCS Mounting Module	[g]
141A-WL45RR	211
141A-WL45RRP	240
141A-WL54RR	222
141A-WL54RRP	251
141A-WM45RR	189
141A-WM45RRP	212
141A-WM54RR	211
141A-WM54RRP	234
141A-WS45RR	163
141A-WS45RRP	180
141A-WS54RR	204
141A-WS54RRP	221

Busbar Components	[g]	Busbar Components	[g]
141A-BCF1	750	141A-NFHCC30	185
141A-BCF1H	40	141A-NFHCC30L	187
141A-BCR	800	141A-NFJ100	3280
141A-BCT1	380	141A-NFJ200	4500
141A-BK1	144	141A-NFJ400	6900
141A-BK180	395	141A-NFVF1150	116
141A-BK228	425	141A-NFVF2240	199
141A-BK250	440	141A-NFVF3300	247
141A-BKC	420	141A-PS105	172
141A-BKH	90	141A-PS145	196
141A-BKS	150	141A-PS200	218
141A-BS10	101	141A-T11	158
141A-BS5	87	141A-T13	591
141A-BST48	700	141A-T13E	20
141A-BST76	1050	141A-TR1	59
141A-CBCF1	420	141A-TR3	203
141A-CBCF1H	18	141A-TR3E	21
141A-CTS3	52	141A-TR3F16	285
141A-CTU3	68	141A-TR4	256
141A-CVN3150	575	141A-TR4E	28
141A-CVN350	206	141A-TS3	131
141A-N160SB	2160	141A-TU3	127
141A-N320SB	5650	141A-VB710528F	840
141A-ND1	130	141A-VB75528F	500
141A-ND2	220	141A-VB76828F	630
141A-NDN66	570	141A-VC3A	185
141A-NDRY66	570	141A-VC3B	251
141A-NF0102	759	141A-VC3C	565
141A-NF1038	760	141A-VC3D	870
141A-NFAC00A	124	141A-VC5E	494
141A-NFAC1A	107	141A-VC5F	943
141A-NFAC2A	109	141A-VC5G	1461
141A-NFAC3A	156	141A-VN3120	485
141A-NFAD	61	141A-VN3185	1140
141A-NFAFR5	65	141A-VN3300F	1619
141A-NFAR	1	141A-VN3300R	1540
141A-NFASNC0	11	141A-VN370	360
141A-NFASNC1	11	141A-VS116	21
141A-NFASNF	7	141A-VS135	46
141A-NFASNFD	11	141A-VS170	71
141A-NFD125SB	2190	141A-VS2120	109
141A-NFD160	1300	141A-VS216	23
141A-NFD250	3760	141A-VS235	47
141A-NFD250SB	2460	141A-VS270	74
141A-NFD400	5500	141A-VU3300F	1325
141A-NFD630	7840	141A-VU3300R	1550

Accessories	[g]
141A-AHR45	15
141A-AHR54	16
141A-AHR63	16
141A-AHS72	17
141A-AHS81	18
141A-AK	1
141A-APC10	35
141A-APC12	40
141A-APC8	29
141A-APH	5
141A-AS	75
141A-AS9B	20
141A-AS9S	38
141A-AS9W	20
141A-CAS9B	20
141A-FTS63	8

