

Bulletin 140U-D Molded Case Circuit Breaker



Reduce Your Panel Space with a Smaller Footprint

Features and Benefits

Advantages

- Small footprint of 45W x 102H x 85D mm saves panel space
 - up to 50% footprint reduction vs traditional MCCBs
- Offers higher interrupting rating of 65 kA at 480Y/277V may allow higher overall panel short circuit rating acc. NEC
 - Up to 6 times higher interrupting rating vs traditional miniature circuit breakers

Features

- UL489 Circuit Breaker
- Current limiting
- High interrupting rating
- 0.5...30 A range
- 2- & 3-pole devices
- 100% rated up to 15A
- Suitable for backfeeding at 240V and 480Y/277V

Ideal Applications

- Feeder Circuits
 - Small cabinets
 - Distribution panels
 - Branch circuit protection
 - Transformers
 - Heaters
- Control Circuits
 - Control transformers
 - Power supplies
- Heating, air conditioning and refrigeration (HACR)
- Switching duty (SWD; 15 & 20 A)
- High-intensity-discharge (HID; 0.5...25 A)



1.78 in (45 mm)

Overview

The Bulletin 140U-D circuit breaker is a UL489 listed circuit breaker for global applications. The current limiting circuit breaker provides fixed short circuit and overcurrent protection and offers high interrupting ratings for 2- and 3-pole devices.

Accessories are designed to be field-installed. The compact busbars and feeder blocks reduce wiring errors and installation cost. Connection modules for the 100-C contactors simplify wiring and can reduce the number of DIN Rails required, compacting panel space even farther.

LISTEN.
THINK.
SOLVE.






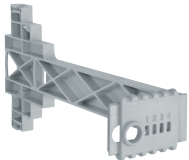
Product Selection

Thermal-Magnetic, Fixed Thermal-Fixed Magnetic

Rated Current I_n [A]	Magnetic Trip [A] I_m	Breaking Capacity (50 Hz)						Interrupting Rating (60 Hz)			2 Pole Cat. No. ‡	3 Pole Cat. No. ‡
		[kA]						[kA]				
		400...415V		525V		690V		240V	480Y/277V	600Y/347V		
		I_{cu}	I_{cs}	I_{cu}	I_{cs}	I_{cu}	I_{cs}					
0.5	15...20xIn	100	65	65	65	50	50	100	100	50	140U-D6D2-A50	140U-D6D3-A50
1	15...20xIn	100	65	65	65	50	50	100	100	50	140U-D6D2-B10	140U-D6D3-B10
2	15...20xIn	100	65	65	65	18	10	100	100	50	140U-D6D2-B20	140U-D6D3-B20
3	15...20xIn	100	65	65	65	18	10	100	100	50	140U-D6D2-B30	140U-D6D3-B30
4	15...20xIn	100	65	65	65	18	10	100	100	50	140U-D6D2-B40	140U-D6D3-B40
5	15...20xIn	100	65	65	65	18	10	100	100	50	140U-D6D2-B50	140U-D6D3-B50
6	15...20xIn	100	65	65	65	18	10	100	100	50	140U-D6D2-B60	140U-D6D3-B60
8	15...20xIn	100	65	65	65	10	6	100	100	50	140U-D6D2-B80	140U-D6D3-B80
10	15...20xIn	100	65	65	65	10	6	100	100	50	140U-D6D2-C10	140U-D6D3-C10
12	15...20xIn	65	50	65	50	10	6	65	65	25	140U-D6D2-C12	140U-D6D3-C12
15	15...20xIn	65	50	65	50	10	6	65	65	25	140U-D6D2-C15	140U-D6D3-C15
20	15...20xIn	65	50	65	50	10	6	65	65	25	140U-D6D2-C20	140U-D6D3-C20
25	15...20xIn	65	50	65	25	10	6	65	65	25	140U-D6D2-C25	140U-D6D3-C25
30	15...20xIn	65	50	65	25	10	6	65	65	25	140U-D6D2-C30	140U-D6D3-C30

‡ Up to 15A suitable for continuous operation at 100% of rating only if used in a cubicle space of 250 x 175 x 150 mm (10 x 7 x 6 inch)
Suitable for backfeeding up to 480Y/277V at the ratings shown above.

Accessories 140U

	Description	For use with	Cat. No.
	Load terminal cover For UL489 compliance of front mount auxiliary contacts when installed on 140U-D	Package quantity: 10	140M-C-AF 140M-C-AFC
	Three-Phase Compact Busbar 45mm spacing 64A max. continuous current 45mm spacing	2 connections 3 connections 4 connections 5 connections	140U-D__3 140U-D__3 140U-D__3 140U-D__3 140U-D-W452 140U-D-W453 140U-D-W454 140U-D-W455
	Feeder Terminal for compact busbar 64A max. continuous current	140U-D-W	140U-D-WTE
	Eco Connection Module - 25A Eco-loadfeeders mount on single DIN Rail (140U on DIN Rail) Electrical and mechanical interconnection of 140U and 100-C (with AC coils or 12 and 24V DC electronic coils) contactors	140U-D__3 to 100-C09...23	140U-D-PEC23
	Flexible Wire Module - 32A Contactor and 140U are separately mounted	140U-D__3 to 100-C09...43	140U-D-PF
	Extension Shaft Support • Provides consistent alignment of the 140M-C-DS and 140M-C-DSL shafts with the 140M-CDN66 or 140M-C-DRY66 door coupling handles. • It is recommended for shaft lengths > 200 mm. • Snaps on the right side of the 140M-C, -D, -F, or 140U-D and allows for the addition of one side-mounted auxiliary contact. Width 9mm. • For use with screw-mounted or hat rail-mounted devices.	140M-C, D, F; 140U-D	140M-C-SHS

For further accessories suitable for 140U-D, technical data and dimensions please visit www.ab.com/catalogs

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