

DATASHEET

Molded Case Circuit Breakers



Main Features

Product code	: 14196534
Reference	: DWB600PH600-3DA
Product line	: DWB
Frame size	: 600
Product type	: Molded case circuit breaker
Application type	:
Rated nominal	: 600 A
Number of poles	: 3

Basic Data

Minimum rated line frequency	: 50 Hz
Maximum rated line frequency	: 60 Hz
Line frequency type	: a.c.
UL rated voltage	: 480V
Magnetic current to DWB	: 6.000A
Breaking capacity code	: P
Continuous current rating	: 100 A

Short-circuit breaking capacity I (UL 489):

Voltage	Interrupting Capacity (kA)
240V c.a.	80.0
480V c.a.	35.0

Trip unit code	: DA
Trip unit type	: Adjustable thermal and magnetic
Neutral pole protection	: No protection
Ground fault protection	: None
Max. magnetic protection setting (x In)	: 10.0
Min magnetic protection setting (x In)	: 5.0
Max. thermal protection setting (x In)	: 1.0
Minimum thermal protection setting (x In)	: 0.7
Power dissipation per pole	: 42 W
Mechanical durability - Number of operation (C-O)	: 6000
Mechanical durability - Number of cycles per hour (C-O)	: 240
Electrical lifespan:	
- Electrical lifespan (In in 480 V a.c.) - Number of operations:	: 1000
- Electrical lifespan (In in 480 V a.c.) - Number of cycles per hour:	: 240
Suitable for reverse connection	: Yes
Pitch between terminals	: 70 mm
Terminal pitch	: 2.76 in

Connections

Cable connections:	
- Maximum gauge	: 400 kcmil
- Minimum gauge	: 3/0 AWG
Cables (Cu) - Tightening torque	: 310 lb.in
Connections with busbar:	
- Tightening torque	: 175 lb.in

Dimensions

Height	: 323.0 mm / 12.72 in
Width	: 210.0 mm / 8.27 in
Depth	: 99.0 mm / 3.9 in
Weight	: 7.4 Kg / 16.31 Lb

Ambient conditions

Ambient air temperature for operation:	
- Minimum	: -13 °F / -25 °C
- Maximum	: 158 °F / 70 °C

Rated current reduction factor for temperature:

Temperature	Factor
10 °C	1.15
15 °C	1.13
20 °C	1.11
25 °C	1.08
30 °C	1.05
35 °C	1.03
40 °C	1.0
45 °C	0.97
50 °C	0.94
55 °C	0.91
60 °C	0.88

Rated current reduction factor for altitude:

Altitude	Rated current reduction factor	Reduction factor for maximum operating voltage
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The information contained are reference values. Subject to change without notice.

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2000 m	1.0	1.0
3000 m	0.98	0.88
4000 m	0.93	0.78
5000 m	0.9	0.68

Accessories

For of the provision

: Withou accessories

Internal accessories:

- Auxiliary contact
- Alarm contact
- Auxiliary contact and alarm contact
- Trip coil or undervoltage coil

: Allow
: Allow 1
: Allow 1
: Allow 1

External accessories:

- Mechanical interlock
- Escutcheon
- Wiring terminal (LUG)
- Panel door rotary handle
- Locking device

: Allow
: Allow
: Allow
: Allow
: Allow

Standards

Product standard

: UL 489

Certifications

- UL

Notes

- 1) In general, accessories are supplied separately from circuit breakers, except under the conditions specified in the catalog or in the CTM automatic transfer set.
- 2) Cable glands are supplied as standard on the DWB160 (IEC standard) and DWB (UL) models; on other versions, they are supplied separately as an accessory.
- 3) Phase separators or copper terminals are mandatory for use on the input terminals of circuit breakers and also in other conditions indicated in the catalog.
- 4) The IWA and IWB switches have the same dimensions as the respective DWA and DWB frames and share the same accessories.
- 5) Additional features are described in the product catalog and installation guide. For versions with electronic triggers, they are also included in the manual.
- 6) Image for illustrative purposes only.