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 in480 V a.c.) - Number of cicles 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

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	: Allow
- Alarm contact	: Allow 1
- Auxiliary contact and alarm contact	: Allow 1
- Trip coil or undervoltage coil	: Allow 1
External accessories:	
- Mechanical interlock	: Allow
- Escutcheon	: Allow
- Wiring terminal (LUG)	: Allow
- Panel door rotary handle	: Allow
- Locking device	: Allow

Standards

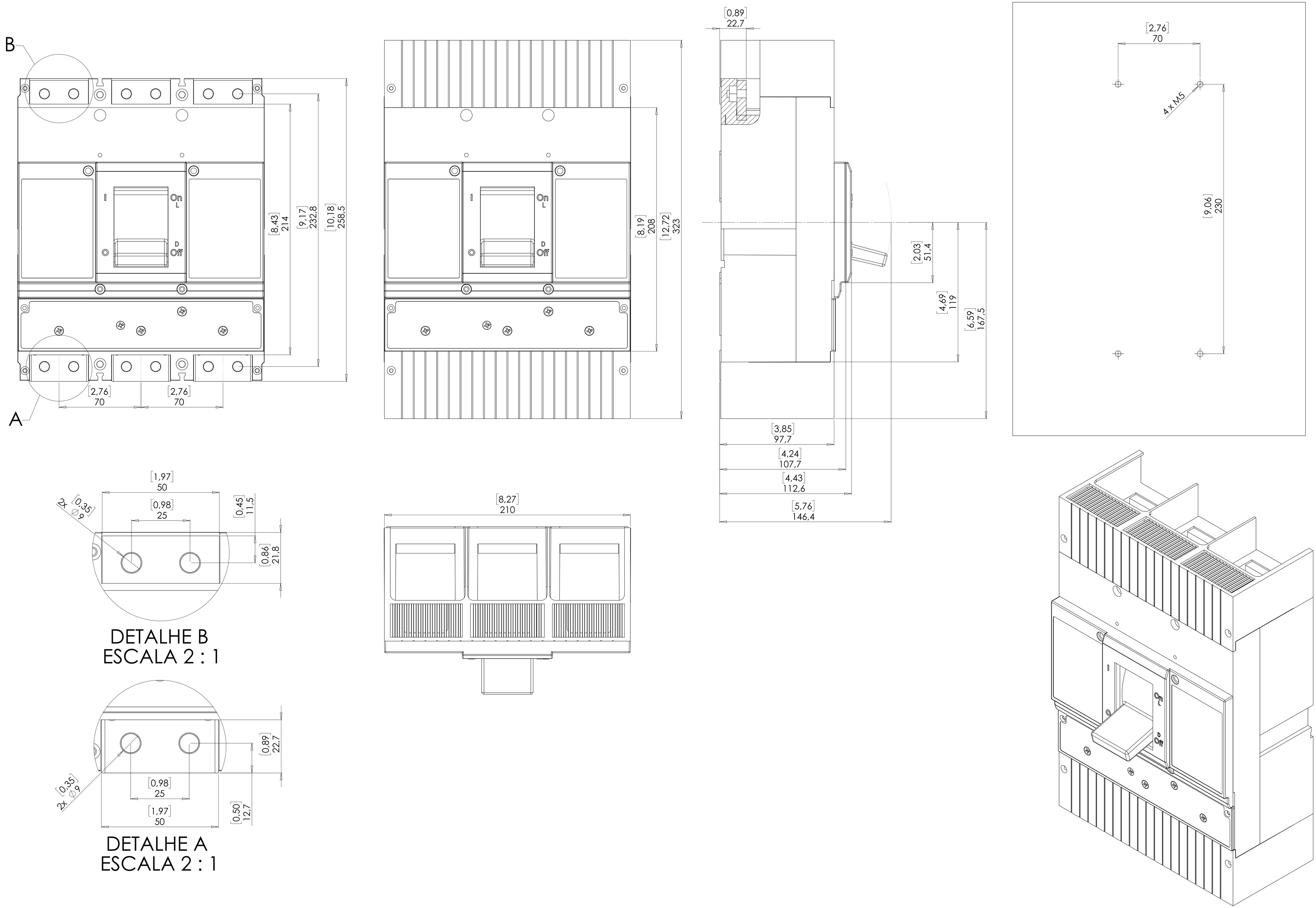
Product standard : UL 489

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.



DETALHE B
ESCALA 2 : 1

DETALHE A
ESCALA 2 : 1

DWB600-UL

12/12/2017 | Escala - 1:1 | mm [inches]