

WITHDRAWABLE CIRCUIT BREAKER WITH GUIDE
FRAME 4-POLE,
SIZE II, IEC IN=2500A TO 690V,
AC50/60HZ ICU=66KA AT 500V REAR CONNECTION
HORIZONTAL ELECTRONIC TRIP UNIT ETU 27 LSING
PROT. ADJUST.B 0.4-1IN EARTH FAULT/ N-PROT.
INTEGRATED MOT./MAN. OPER.MECHAN. W.STOR.
DRIVE MOTOR AC 50/60HZ 208-240V BZW DC 220-250V
REQU. AC 50/60HZ 230V,
DC 220V WITH 1ST AUXILIARY RELEASE SHUNT
TRIP"F",
F1 AC50/60HZ 230V/ DC 220V,100%ED WITHOUT 2ND
SHUNT TRIP 4NO+4NC

General technical data:

Ambient temperature

- during operation
- during storage

°C -20 ... +70

°C -40 ... +70

Protection class IP

IP20

Reference code / acc. to DIN EN 61346-2

Q

Mounting type

drawer unit

Number of poles

4

Size of the circuit-breaker

2

Main circuit:

Arrangement of electrical connectors / for main current circuit

Main terminal on the rear horizontal

Design of the electrical connection / for main current circuit

busbar connection

Continuous current / Rated value

A 2,500

Operating current

- at 50 °C / Rated value
- at 55 °C / Rated value
- at 60 °C / Rated value
- at 65 °C / Rated value
- at 70 °C / Rated value

A 2,500
A 2,500
A 2,500
A 2,500
A 2,280

Operating voltage / with AC / at 50/60 Hz / Rated value

V 690

Insulation voltage / Rated value

V 1,000

Active power loss / maximum

W 520

Short-circuit:

Maximum short-circuit current breaking capacity (Icu)		
• at 500 V / Rated value	kA	66
• at 690 V / Rated value	kA	50
Operational short-circuit current breaking capacity (Ics)		
• at 500 V / Rated value	kA	66
• at 690 V / Rated value	kA	50
Short-time current resistance (Icw)		
• restricted to 0.5 s / Rated value	kA	66
• limited to 1 s / Rated value	kA	55
• restricted to 2 s / Rated value	kA	39
• restricted to 3 s / Rated value	kA	32
Short-circuit current making capacity (Icm)		
• at 500 V / Rated value	kA	145
• at 690 V / Rated value	kA	105

Overcurrent Release:		
Design of the overcurrent release		ETU27B
Display version		without display
Protective function of the overcurrent release		LSING

Auxiliary circuit:		
Number of NO contacts / for auxiliary contacts		4
Number of NC contacts / for auxiliary contacts		4
Product component		
• undervoltage release		No
• Voltage trigger		Yes
Product function / Phase failure detection		Yes

Certificates/approvals:		
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General Product Approval

Declaration of Conformity



CB



CCC



GOST

[other](#)



VDE



EG-Konf.

Test Certificates

[Special Test Certificate](#)

Shipping Approval



ABS



BUREAU
VERITAS



DNV



GL



LRS



PRS

Shipping Approval

[other](#)



RMRS

[other](#)

[Environmental Confirmations](#)

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/3WL1225-2DG46-4GA4>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/3WL1225-2DG46-4GA4/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2DG46-4GA4

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)

last change:

Dec 11, 2014