

WITHDRAWABLE CIRCUIT BREAKER WITH GUIDE
 FRAME 4-POLE,
 SIZE I, IEC IN=630A 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	°C	-20 ... +70
• during storage	°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		1

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	630
Operating current		
• at 50 °C / Rated value	A	630
• at 55 °C / Rated value	A	630
• at 60 °C / Rated value	A	630
• at 65 °C / Rated value	A	630
• at 70 °C / Rated value	A	630
Operating voltage / with AC / at 50/60 Hz / Rated value	V	690
Insulation voltage / Rated value	V	1,000
Active power loss / maximum	W	195

Short-circuit:

Maximum short-circuit current breaking capacity (I_{cu})		
• at 500 V / Rated value	kA	66
• at 690 V / Rated value	kA	50
Operational short-circuit current breaking capacity (I_{cs})		
• at 500 V / Rated value	kA	66
• at 690 V / Rated value	kA	50
Short-time current resistance (I_{cw})		
• restricted to 0.5 s / Rated value	kA	66
• limited to 1 s / Rated value	kA	50
• restricted to 2 s / Rated value	kA	35
• restricted to 3 s / Rated value	kA	29
Short-circuit current making capacity (I_{cm})		
• 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:

General Product Approval**Declaration of
Conformity****CB**

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/3WL1106-3DG46-4GA4>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<http://support.automation.siemens.com/WW/view/en/3WL1106-3DG46-4GA4/all>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1106-3DG46-4GA4**CAX-Online-Generator**<http://www.siemens.com/cax>**Tender specifications**[Datanorm](#) [GAEB81](#) [GAEB83](#) [RTF](#) [TXT](#)**last change:**

Dec 11, 2014