

FIXED-MOUNTED CIRCUIT BREAKER 4-POLE,
 SIZE II, IEC IN=2500A TO 690V,
 AC50/60HZ ICU=66KA AT 500V REAR CONNECTION
 HORIZONTAL ELECTRONIC TRIP UNIT ETU 25 LSI PROT.
 ADJUST.B. 0.4-1 IN MOT./MAN. OPER.MECHAN.
 W.STOR. DRIVE MOTOR AC 50/60HZ 208-240V BZW DC
 220-250V REQU. AC 50/60HZ 230V,
 DC 220V WITHOUT 1ST SHUNT TRIP WITH 2ND AUX.
 RELEASE "R",
 F3 UNDERVOLTAGE, NON-DEL. AC 208-240V,
 DC 220-250V 2NO+2NC

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		fixed mounting
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	A	2,500
• at 55 °C / Rated value	A	2,500
• at 60 °C / Rated value	A	2,500
• at 65 °C / Rated value	A	2,500
• at 70 °C / Rated value	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	270

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		ETU25B
Display version		without display
Protective function of the overcurrent release		LSI

Auxiliary circuit:		
Number of NO contacts / for auxiliary contacts		2
Number of NC contacts / for auxiliary contacts		2
Product component		
• undervoltage release		Yes
• Voltage trigger		No
Product function / Phase failure detection		Yes

Certificates/approvals:		
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General Product Approval	Declaration of Conformity
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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/3WL1225-2CB42-4AN2>

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

<http://support.automation.siemens.com/WW/view/en/3WL1225-2CB42-4AN2/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3WL1225-2CB42-4AN2

CAX-Online-Generator

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

Tender specifications

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

last change:

Dec 11, 2014