

fixed-mounted molded case circuit breaker frame 1600; with RTC and 4AUX trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 3-pole ETU650, LSI, In=1600A display, meas., comm. function Ir=640...1600A Isd=0.6...10xIn, Ii=1.5...15xIn N conductor protec. adjustable opt. w. ext. CT; up to 200% rear horizontal connection No communication connection, No measurement function Manual operating mechanism of the spring energy store With electr. and mech. calling Switch-on solenoid (CC) 220-240 V AC/DC with 2nd auxiliary release UVR, instant Undervoltage 220-240 V AC/DC without 1st auxiliary release K52= Auxiliary current switch AUX 2 CO + 2 CO Variant 2x 400 V AC + 2x 24 V DC

Model	
product designation	Molded case circuit breaker
design of the product	MCCB
design of the actuating element	spring actuator
type of the driving mechanism	without motor drive
type of the driving mechanism motor drive	No
design of the overcurrent release	ETU650
General technical data	
number of poles	3
mechanical service life (operating cycles) typical	10 000
electrical endurance (operating cycles) at AC-1 at 380/415 V	2 000
insulation voltage rated value	1 000 V
operational current	
• at 45 °C rated value	1 541 A
continuous current rated value maximum	1 600 A
Supply voltage	
operating voltage	
• at AC at 50/60 Hz rated value	690 V
Protection class	
protection class IP on the front	IP20
Breaking Capacity	
switching capacity class of the circuit breaker	M
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	77 W
• maximum	231 W
Auxiliary circuit	
number of CO contacts for auxiliary contacts	4
Suitability	
suitability for use	system protection
Adjustable parameters	
adjustable current response value current of the short-time delayed short-circuit release	
• initial value	960 A
• full-scale value	16 000 A
adjustable current response value current of the L-trip with I4t characteristic	
• initial value	0.4 A
• full-scale value	1 A
adjustable current response value current of the current-dependent overload release initial value	640 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	No
• undervoltage release	Yes
product extension optional motor drive	Yes

Product function	
product function	
• grounding protection	No
• communication function	No
• phase failure detection	Yes
Display and operation	
display version	With full graphics display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
• at 240 V rated value	100 kA
• at 415 V rated value	55 kA
• at 440 V rated value	55 kA
• at 500 V rated value	36 kA
• at 690 V rated value	25 kA
maximum short-circuit current breaking capacity (Icu)	
• at 240 V rated value	100 kA
• at 415 V rated value	55 kA
• at 440 V rated value	55 kA
• at 500 V rated value	36 kA
• at 690 V rated value	25 kA
short-circuit current making capacity (Icm)	
• at 240 V rated value	220 kA
• at 415 V rated value	121 kA
• at 440 V rated value	121 kA
• at 500 V rated value	75.6 kA
• at 690 V rated value	53 kA
Connections	
arrangement of electrical connectors for main current circuit	Main connection rear side horizontal
type of electrical connection for main current circuit	busbar connection
Mechanical Design	
height	296 mm
width	210 mm
depth	183 mm
fastening method	fixed mounting
net weight	14 kg
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	70 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	70 °C
Further information	

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2716-1AE02-0HH0-Z K52>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3VA2716-1AE02-0HH0-Z K52>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2716-1AE02-0HH0-Z K52

CAX-Online-Generator

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

Tender specifications

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

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