

fixed-mounted molded case circuit breaker frame 1600; with RTC and 4AUX trip alarm switch S24; Icu "C" Icu=110kA @ 415V, 3-pole ETU650, LSI, In=800A display, meas., comm. function Ir=320...800A Isd=0.6...10xIn, li=1.5...15xIn N conductor protec. adjustable opt. w. ext. CT; up to 200% rear horizontal connection With optional communication connection including integrated breaker connect 24 V DC module, actuator COM ACT, COM RTC and COM PSS(as draw-out version) with Metering MF Advanced for enhanced protection Voltage tap at the top Motorized operating mechanism 220...250 V AC/DC incl. S21 spring energy store signaling switch With electr. and mech. calling Switch-on solenoid (CC) 220-240 V AC/DC without 2nd auxiliary release With 1st auxiliary release, ST Shunt release 220-240 V AC/DC F11= Communication module COM043 Modbus TCP Gateway

Model	
product designation	Molded case circuit breaker
design of the product	MCCB
design of the actuating element	spring actuator
type of the driving mechanism	motor drive
type of the driving mechanism motor drive	Yes
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	800 A
continuous current rated value maximum	800 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	C
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	19.3 W
• maximum	57.9 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	480 A
• full-scale value	8 000 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	320 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	Yes

• undervoltage release	No
Product function	
product function	
• grounding protection	No
• communication function	Yes
• 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	200 kA
• at 415 V rated value	110 kA
• at 440 V rated value	100 kA
• at 500 V rated value	63 kA
• at 690 V rated value	36 kA
maximum short-circuit current breaking capacity (Icu)	
• at 240 V rated value	200 kA
• at 415 V rated value	110 kA
• at 440 V rated value	100 kA
• at 500 V rated value	85 kA
• at 690 V rated value	50 kA
short-circuit current making capacity (Icm)	
• at 240 V rated value	440 kA
• at 415 V rated value	242 kA
• at 440 V rated value	220 kA
• at 500 V rated value	187 kA
• at 690 V rated value	105 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=3VA2780-3FE02-4HA7-Z F11 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA2780-3FE02-4HA7-Z F11 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2780-3FE02-4HA7-Z F11 CAX-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications	

