

fixed-mounted molded case circuit breaker w. handle frame 1600; 4AUX and trip alarm switch S24; Icu "H" Icu=85kA @ 415V, 3-pole ETU320, LI, In=800A rotary coding switch Ir=320...800A Ii=1.5...15 x In N conductor protec. adjustable opt. w. ext. CT; up to 200% nut keeper kit No communication connection, no measurement function Without additional alarm switch assembly With mechanical calling with 2nd auxiliary release UVR, instant Undervoltage 24 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	toggel handle actuator
type of the driving mechanism	manual operating mechanism
type of the driving mechanism / motor drive	No
design of the overcurrent release	ETU320
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	H
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 current-dependent overload release / initial value	320 A
Product details	
product component	
• trip indicator	Yes
• voltage trigger	No
• undervoltage release	Yes
product extension / optional / motor drive	No
Product function	
product function	
• grounding protection	No
• communication function	No
Display and operation	
display version	Without display

Short circuit	
operating short-circuit current breaking capacity (Ics)	
• at 240 V / rated value	150 kA
• at 415 V / rated value	85 kA
• at 440 V / rated value	85 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	36 kA
maximum short-circuit current breaking capacity (Icu)	
• at 240 V / rated value	150 kA
• at 415 V / rated value	85 kA
• at 440 V / rated value	85 kA
• at 500 V / rated value	55 kA
• at 690 V / rated value	36 kA
short-circuit current making capacity (Icm)	
• at 240 V / rated value	330 kA
• at 415 V / rated value	187 kA
• at 440 V / rated value	187 kA
• at 500 V / rated value	121 kA
• at 690 V / rated value	76 kA
Connections	
arrangement of electrical connectors / for main current circuit	Main connection on front side
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	11.21 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 for data generation and storage https://support.industry.siemens.com/cs/ww/en/view/109995012	
Information- and Downloadcenter (Catalogs, Brochures,...) https://www.siemens.com/lowvoltage/catalogs	
Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2780-6AB03-0AB0-Z K52	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA2780-6AB03-0AB0-Z K52	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2780-6AB03-0AB0-Z K52	
CAx-Online-Generator https://www.siemens.com/cax	
Tender specifications https://www.siemens.com/specifications	
Characteristic curves <a haupt"><="" href="https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=" mmp_prod_no>"="">https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP="HAUPT"></mmp_prod_no>	



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