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Data sheet 3VA2716-7AE02-3AA0

fixed-mounted molded case circuit breaker w. handle frame 1600; 4AUX and trip alarm switch S24; Icu "C" Icu=110kA @ 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 With trip alarm switch TAS and trip alarm switch S25 Signaling switch and two leading auxiliary switches S26 Standard 400 V AC With mechanical calling without 2nd auxiliary release without 1st auxiliary release

Model	
product brand name	SENTRON
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	ETU650
General technical data	
number of poles	3
size of the circuit-breaker	1600 A
mechanical service life (operating cycles) / typical	10 000
circuit-breaker / Design	3VA2
Voltage	
insulation voltage / rated value	1 000 V
operating voltage / at AC / at 50/60 Hz / rated value	690 V
protection class IP	IP20
● protection class IP / on the front	IP20
● protection function of the overcurrent release	LSI
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	77 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	640 A
product component	
● trip indicator	Yes
● voltage trigger	No
● undervoltage release	No
product extension / optional / motor drive	No
Product function	
product function	
● grounding protection	No
● phase failure detection	Yes
Display and operation	
display version	With full graphics display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
● at 415 V / rated value	110 kA
● at 500 V / rated value	63 kA
● at 690 V / rated value	36 kA
maximum short-circuit current breaking capacity (Icu)	
● at 415 V / rated value	110 kA

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● at 440 V / rated value	100 kA
● at 500 V / rated value	85 kA
● at 690 V / rated value	50 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

General Product Approval				EMC	Declaration of Conformity
CCC	Confirmation	Miscellaneous	EAC	RCM	CE EG-Konf.

Declaration of Conformity	Test Certificates	Marine / Shipping			
UKCA	Miscellaneous	ABS	BUREAU VERITAS	DNV	Lloyd's Register LRS

other			Dangerous Good		Environment
Miscellaneous	Confirmation	Miscellaneous	Dangerous Goods Information	Transport Information	Environmental Confirmations

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2716-7AE02-3AA0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3VA2716-7AE02-3AA0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2716-7AE02-3AA0
CAx-Online-Generator
http://www.siemens.com/cax
Tender specifications
http://www.siemens.com/specifications

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