

fixed-mounted molded case circuit breaker w. handle frame 1600; 4AUX and trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 3-pole ETU660, LSIG, In=1250A display, meas., comm. function Ir=500...1250A Isd=0.6...10xIn, li=1.5...15xIn N conductor protec. adjustable opt. w. ext. CT; up to 200% gr.-fault prot., can be sw. off Ig=0.1...1 x In, tg=0.1 - 1.0s 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 Basic for energy monitoring Voltage tap at the bottom Without additional alarm switch assembly With mechanical calling without 2nd auxiliary release without 1st auxiliary release F03= Communication module COM041 PROFINET Gateway T30= Door sealing frame IP30 for fixed-mounted circuit breaker

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	ETU660
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	IP30
- protection class IP / on the front - protection function of the overcurrent release	IP30 LSIG
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	47 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	500 A
product component	
- trip indicator - voltage trigger - undervoltage release	Yes No No
product extension / optional / motor drive	No
Product function	
product function	
- grounding protection - phase failure detection	Yes Yes
Display and operation	
display version	With full graphics display
Short circuit	
operating short-circuit current breaking capacity (Ics)	
- at 415 V / rated value - at 500 V / rated value - at 690 V / rated value	55 kA 36 kA 25 kA

maximum short-circuit current breaking capacity (I _{cu})	
• 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
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 Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA2712-5CF02-0AA0-Z F03+T30 Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3VA2712-5CF02-0AA0-Z F03+T30 Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA2712-5CF02-0AA0-Z F03+T30 CAX-Online-Generator http://www.siemens.com/cax Tender specifications http://www.siemens.com/specifications	



last modified:

3/23/2022

