

draw-out molded case circuit breaker with guide frame and PSS frame 1600; with RTC and 4AUX trip alarm switch S24; Icu "M" Icu=55kA @ 415V, 3-pole ETU350, LSI, In=1600A rotary coding switch Ir=640...1600A I_{sd}=1...10xI_n, I_i=1.5...15xI_n N conductor protec. adjustable opt. w. ext. CT; up to 200% rear horizontal connection No communication connection, no measurement function 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 with 2nd auxiliary release UVR time-del Undervoltage 220-240 V AC/DC incl. ext. time-delay device With 1st auxiliary release, ST Shunt release 220-240 V AC/DC T30= Door sealing frame IP30 for slide-in circuit breaker

Model	
product brand name	SENTRON
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	ETU350
General technical data	
number of poles	3
size of the circuit-breaker	1600 A
mechanical service life (switching cycles) / typical circuit-breaker / Design	1 000 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	IP30
protection function of the overcurrent release	LSI
power loss [W] / for rated value of the current / at AC / in hot operating state / per pole	141 W
Current	
operational current	
• at 40 °C / rated value	1 600 A
• at 45 °C / rated value	1 541 A
• at 50 °C / rated value	1 481 A
• at 55 °C / rated value	1 417 A
• at 60 °C / rated value	1 352 A
• at 65 °C / rated value	1 281 A
• at 70 °C / rated value	1 209 A
continuous current / rated value	1 600 A
adjustable current response value current	
• of the current-dependent overload release / full-scale value	1 600 A
• of instantaneous short-circuit trip unit / minimum	2 400 A
• of instantaneous short-circuit trip unit / maximum	24 000 A
short-time withstand current (I _{cw})	
• limited to 1 s / rated value	20 kA
• at AC / at 415 V / limited to 0.5 s / rated value	20 kA
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	1 600 A
• of the short-time delayed short-circuit release / full-scale value	16 000 A
adjustable current response value current / of the current-dependent overload release / initial value	640 A
product component	
• trip indicator	Yes
• voltage trigger	Yes
• undervoltage release	Yes
Product function	
product function	
• grounding protection	No
Display and operation	
display version	Without display
Short circuit	
breaking capacity operating short-circuit current (Ics)	
• at 415 V / rated value	55 kA
• at 500 V / rated value	36 kA
• at 690 V / rated value	25 kA
breaking capacity maximum short-circuit current (Icu)	
• 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	364 mm
width	278 mm
depth	271 mm
fastening method	drawer unit
net weight	38 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	
Industry Mall (Online ordering system)	
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3VA2716-1AC32-4HP7-Z T30	
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)	
https://support.industry.siemens.com/cs/ww/en/ps/3VA2716-1AC32-4HP7-Z T30	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)	
http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=3VA2716-1AC32-4HP7-Z T30	
CAX-Online-Generator	
http://www.siemens.com/cax	
Tender specifications	
http://www.siemens.com/specifications	

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