



Miniature Circuit Breaker 20A 3-pole Z characteristic 10kA

Model	
product brand name	Betagard
product designation	Miniature circuit breaker
General technical data	
number of poles	3
design of pole	3P
tripping characteristic class	Z
mechanical service life (operating cycles)	
• typical	8 500
overvoltage category	III
degree of pollution	3
Voltage	
type of voltage of the operating voltage	AC
type of voltage	Use only in alternating current or direct current circuits. Mixed use is not permitted.
insulation voltage (Ui)	
• with single-phase operation at AC rated value	440 V
• with multi-phase operation at AC rated value	440 V
operational current	
• at 30 °C rated value	22.4 A
• at 40 °C rated value	21.2 A
• at 50 °C rated value	20 A
• at 55 °C rated value	19.4 A
• at 60 °C rated value	18.7 A
• at AC rated value	20 A
Supply voltage	
supply voltage at AC	415 V
value range of the supply voltage frequency	50/60 Hz
operating voltage	
• with multi-phase operation at AC maximum	440 V
• at DC rated value maximum	62.5 V
•	The operational voltage 62,5V DC/pole takes into account a battery charging voltage with peak value of 72V
Protection class	
protection class IP	IP20, with connected conductors
Breaking Capacity	
switching capacity current	
• according to EN 60898 rated value	10 kA
• according to IEC 60947-2 rated value	10 kA
energy limitation class	NA

Product details				
product feature touch protection	Yes			
product component neutral conductor switching	No			
product feature <ul style="list-style-type: none">halogen-freesealablesilicon-free	Yes Yes Yes			
product extension installable supplementary devices	Yes			
Connections				
connectable conductor cross-section solid <ul style="list-style-type: none">minimummaximum	0.75 mm ² 25 mm ²			
connectable conductor cross-section stranded <ul style="list-style-type: none">minimummaximum	0.75 mm ² 25 mm ²			
connectable conductor cross-section finely stranded with core end processing <ul style="list-style-type: none">minimummaximum	0.75 mm ² 25 mm ²			
tightening torque with screw-type terminals <ul style="list-style-type: none">minimummaximum	2.5 N·m 3 N·m			
Mechanical Design				
height	90 mm			
width	54 mm			
depth	76 mm			
installation depth	70 mm			
number of modular width units	3			
mounting position	any			
net weight	392 g			
Environmental conditions				
vibration resistance according to IEC 60068-2-6	50 m/s² at 25 to 150 Hz			
ambient temperature during storage <ul style="list-style-type: none">minimummaximum	-40 °C 75 °C			
Approvals Certificates				
General Product Approval		Test Certificates	other	Environment

[Confirmation](#)



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[Miscellaneous](#)

[Environmental Confirmations](#)

Environment

[Environmental Confirmations](#)

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=5SL4320-0RC>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/5SL4320-0RC>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL4320-0RC

CAX-Online-Generator

<http://www.siemens.com/cax>



