

Part no. Article no.

Catalog No.

Digital residual current circuit-breaker, 63A, 4p, 300mA, type U

dRCM-63/4/03-U+

DRCM-63-4-03-U

120847



Similar to illustration

Delivery program			
Basic function			Residual current circuit breakers , digital
Number of poles			4 pole
Application			Switchgear for residential and commercial applications
Rated current	I <sub>n</sub>	А	63
Rated short-circuit strength	l <sub>cn</sub>	kA	10
Rated fault current	$I_{\Delta N}$	А	0.3
Туре			Туре U
Tripping		А	selective switch off
Product range			dRCM
Sensitivity			Frequency converter-proof
Impulse withstand current			surge-proof 5 kA

## **Technical data**

Electrical			
Standards			IEC/EN 61008, Type G and G/A according to ÖVE E 8601 Current test mark according to label
Rated operational voltage	U <sub>e</sub>	V	
	U <sub>e</sub>	V AC	
Rated operating voltage	U <sub>e</sub>	V AC	230/400
Rated frequency	f	Hz	50/60
Rated frequency	f	Hz	50/60
Rated fault currents	$I_{\Delta n}$	mA	30, 300
Rated non-tripping current	IΔno		0.5 x l <sub>△n</sub>
Sensitivity			Frequency converter-proof
Sensitivity			DC and pulsed current
Rated impulse withstand voltage	U <sub>imp</sub>	kV	4 (1.2/50µs)
Rated short-circuit strength	I <sub>cn</sub>	kA	10
Maximum max. as short-circuit protective device		A gL	
Back-up fuse		A gL	Short-circuit and overload: 80 A gG/GL
Mechanical			
Standard front dimension		mm	45
Enclosure height		mm	
Enclosure width		mm	80
Mounting			Quick attachment with 2 latch positions on top-hat rail IEC/EN 60715
Terminals top and bottom			Twin-purpose terminals
Terminal protection			Busbar tag shroud to BGV A3
Degree of protection			
Integrated			IP40
Terminal cross-section			
Solid		mm <sup>2</sup>	1.5 - 33
flexible		mm <sup>2</sup>	2 x 16
Terminal cross-section			M5 (Pozidriv PZ2)
Admissible ambient temperature range		°C	-25 +40
Climatic proofing			according to IEC/EN 61008
Thickness of busbar material		mm	
Material thickness		mm	0.8 - 2

10.11 Short-circuit rating     Is the panel builder's responsibility. The specifications for the switchgear must observed.       10.12 Electromagnetic compatibility     Is the panel builder's responsibility. The specifications for the switchgear must observed.	echnical data for design verification			
Equipment heat dissipation, current-dependent       Pedel       Weil       Balance         Static heat dissipation, on-current-dependent       Pedel       Weil       0         Beat dissipation, on-current-dependent       Pedel       Weil       0         Operating ambient temperature min.       "C       40       -25         Operating ambient temperature max.       "C       40       -25         10.2 Strength of materials and parts       "C       40       -25         10.2.3 Verification of thermal stability of enclosures       Mests the product standard's requirements.       -25         10.2.3 Verification of resistance of insulating materials to normal heat       Mests the product standard's requirements.       -25         10.2.3 Verification of resistance of insulating materials to abnormal heat       Mests the product standard's requirements.       -25         10.2.3 Verification of resistance of insulating materials to abnormal heat       Mests the product standard's requirements.       -25         10.2.3 Verification of resistance of insulating materials to abnormal heat       Mests the product standard's requirements.       -25         10.2.3 Verification of ASSEMBLIES       Des not apply, since the entire switchgar needs to be evaluated.       -25         10.3 Depreed protection of ASSEMBLIES       Des not apply, since t	Rated operational current for specified heat dissipation	I <sub>n</sub>	А	63
Static heat dissipation, one-current-dependent     Pend     Weil       Heat dissipation capacity     Pass     Weil     0       Operating ambient temperature min.     "C     25       Operating ambient temperature max.     "C     30       102 Strongth of materials and parts     "C     40       102 Strongth of materials and parts     Meets the product standard's requirements.     100       102.2 Strongth of materials and parts     Meets the product standard's requirements.     100       102.2 Strongth of materials control building materials to normal heat     Meets the product standard's requirements.     100       102.2 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.     100       102.2 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.     100       102.2 Verification of resistance of insulating materials to abnormal heat     Meets the product standard's requirements.     100       102.2 Meet heatincia impact     Meets the product standard's requirements.     100     100       102.2 Meet heatincia impact     Meets the product standard's requirements.     100     100       102.5 Meet heatincia impact     Meets the product standard's requirements.     100	Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Heat dissipation capacity       Parts       W       Independence         Operating ambient temperature min.       *C       -35         Operating ambient temperature max.       *C       40         CEX       102       Second	Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	8.5
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C/L       C/L <td>Operating ambient temperature min.</td> <td></td> <td>°C</td> <td>-25</td>	Operating ambient temperature min.		°C	-25
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10.9.4 Testing of enclosures made of insulating material     Is the panel builder's responsibility.       10.10 Temperature rise     Is the panel builder's responsibile for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.       10.11 Short-circuit rating     Is the panel builder's responsibility. The specifications for the switchgear must observed.       10.12 Electromagnetic compatibility     Is the panel builder's responsibility. The specifications for the switchgear must observed.       10.13 Mechanical function     The device meets the requirements, provide the information in the instruction	10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
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10.11 Short-circuit rating   Is the panel builder's responsibility. The specifications for the switchgear must observed.     10.12 Electromagnetic compatibility   Is the panel builder's responsibility. The specifications for the switchgear must observed.     10.13 Mechanical function   The device meets the requirements, provide the information in the instruction	10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.12 Electromagnetic compatibility     Is the panel builder's responsibility. The specifications for the switchgear must observed.       10.13 Mechanical function     The device meets the requirements, provided the information in the instruction	10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.13 Mechanical function   The device meets the requirements, provided the information in the instruction	10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must observed.
	10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switchgear must observed.
	10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## **Technical data ETIM 6.0**

Circuit breakers and fuses (EG000020) / Residual current circuit breaker (RCCB) (EC000003)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Residual current circuit breaker (RCCB) (ecl@ss8.1-27-14-22-01 [AAB906011])

Number of poles			4
Nominal rated voltage	Y	V	415
Nominal rated current		A	63
Rated fault current		A	0.3
Mounting method			DIN rail
Leakage current type			A
Selective protection			Yes
Short-circuit breaking capacity (Icw)	I	kA	10
Surge current capacity	I	kA	5
Frequency			50 Hz
Additional equipment possible			Yes
Degree of protection (IP)			IP20
Construction size (in accordance with DIN 43880)			1

Width in number of modular spacings		4
Built-in depth	mm	70.5
Short-time delayed tripping		No

## Dimensions

