DATASHEET - DRCM-40/4/03-G/A+

No.



Digital residual current circuit-breaker, 40A, 4p, 300mA, type G/A

dRCM-40/4/03-G/A+ Part no. Catalog No. 120837 Alternate Catalog DRCM-40-4-03-G-A **EL-Nummer** 0001654975 (Norway)



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	In	А	40
Rated short-circuit strength	I _{cn}	kA	10
Rated fault current	$I_{\Delta N}$	А	0.3
Туре			Type G/A (ÖVE E 8601)
Tripping		s	Short time-delayed
Product range			dRCM
Sensitivity			AC and pulsating DC current sensitive
Impulse withstand current			Surge-proof, 3 kA

Technical data Electrical

Current test marks Standards Rated operational voltage U			As per inscription
Rated operational voltage U			IEC/EN 61008
	J _e	V	
U	J _e	V AC	
Rated operating voltage	J _e	V AC	230/400
Rated frequency f		Hz	50/60
Limit values of the operating voltage			
Test circuit		V AC	184 - 440
Comment for range of the test button			3-phase application without N (400V AC Phase-Phase) not allowed
Rated fault currents	Δn	mA	30, 300
Rated non-tripping current	Δno		0.5 x l _{△n}
Sensitivity			AC and pulsating DC current sensitive
Rated insulation voltage U	J _i	V	440
Sensitivity			DC and pulsed current
Rated impulse withstand voltage U	J _{imp}	kV	4
Rated short-circuit strength	cn	kA	10
Maximum max. as short-circuit protective device		A gL	
Back-up fuse		A gL	Short-circuit and overload: 63 A gG/GL
lifespan			
Electrical 0	Operations		≧ 4000
Mechanical 0	Operations		≧ 20000
References			
Auxiliary switch for subsequent installation			Z-HK 248432
Tripping signal contact for subsequent installation			Z-NHK 248434
Remote control and automatic switching device			Z-FW/LP 248296
Compact enclosure			KLV-TC-4 276241
Sealing cover set			Z-RC/AK-4MU 101062
Mechanical			
Standard front dimension		mm	45

Standard front dimension	mm	45
Device height	mm	80
Enclosure height	mm	
Enclosure width	mm	80
Built-in width	mm	70 (4TE)
Mounting		Quick attachment with 2 latch positions on top-hat rail IEC/EN 60715
Degree of Protection		IP40, IP54 (with moisture-proof enclosure)
Terminals top and bottom		Twin-purpose terminals
Terminal protection		DGUV VS3, EN 50274
Degree of protection		
Integrated		IP40
Terminal cross-section		
Solid	mm ²	1.5 - 35
Stranded	mm ²	2 x 16
flexible	mm ²	2 x 16
Terminal cross-section		M5 (Pozidriv PZ2)
Thickness of busbar material	mm	0.8 - 2
Admissible ambient temperature range	°C	-25 +40
Permissible storage and transport temperatures	°C	-35 - +60
Climatic proofing		25-55°C/90-95% relative humidity according to IEC 60068-2
Thickness of busbar material	mm	
Material thickness	mm	0.8 - 2

Design verification as per IEC/EN 61439

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10.10 Temperature rise	The panel builder is responsible 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 be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

Circuit breakers and fuse	s (EG000020) / Residual current of	circuit breaker (RCCB) (EC000003)

Electric engineering, automation, process control engineering / Electrical installation, device / Residual current protection system / Residual current circuit breaker (RCCB) (ecl@ss10.0.1-27-14-22-01 [AAB906014])

Rated voltage V is Rated voltage A 0 Rated voltage Uiron mA 00 Rated insulation voltage Uiron V 40 Rated insulation voltage Uiron V 40 Mounting method V 40 Leakage current type No No Selective protection V No Stort-circuit breaking capacity (low) V No Surg current capacity (low) KA 0 Surg current capacity (low) KA 0 Surg current possible KA 0 With interlocking device KA 0 Degree of protection (IP) KA 0 With in number of modular spacings M V V Built-in depth Mm 0.5 1 Anbient temperature during operating Mm 2 0 Pollution degree Com 25-40 2				
Rated current A A Rated furt current IM A Rated insultation voltage Uin IM A Mounting method IM IM Leakage current type IM IM Selective protection IM IM Short-circuit breaking capacity (lew) IM IM Surg current capacity IM IM Additional equipment possible IM IM Multi in number of modular spacings IM IM Buil-ti ndepth IM IM IM Anbient temperature during operating IM IM IM Pollution degre IM IM IM Roted to function IM IM IM Roted to function IM IM IM Additional equipment possible IM IM IM Roted pot I	Number of poles		4	4
Arad fault current Rated insulation voltage Ui Rated insulation voltage Uimp Rated insulation Rated insulation voltage Uimp Rated insulation Rated insulati	Rated voltage	V	4	415
Rate insulation voltage Uin V 40 Rate insulation voltage Uinpo KV	Rated current	А	4	40
Rated impulse withstand voltage Uimp KV 4 Mounting method IN rail Leakage current type A Selective protection KV A Short-time delayed tripping KA No Short-time delayed tripping KA 0 Surge current capacity (Icw) KA 0 Surge current capacity (Icw) KA 0 KA Surge current capacity (Icw) Surge current capacity Surge current capacity KA Surge current capacity (Icw) KA 0 Surge current capacity (Icw) KA Surge current capacity Surge current capacity KA Surge current capacity Surge current capacity Surge current capacity Surge current capacity Kut interlocking device KA Surge current capacity Surge current capacity Surge current capacity Built-in depth C Surge current capacity Surge current capacity Surge current capacity Anbient temperature during operating C Surge current capacity Surge current capacity Surge current capacity C Surge current capacity Surge current capacity	Rated fault current	m	A 3	300
Monting method Image: section Image:	Rated insulation voltage Ui	V	4	440
Leakage current type A Selective protection No Short-time delayed tripping Yes Short-circuit breaking capacity (lcw) KA 10 Surge current capacity (lcw) KA 3 Streduency Yes Yes Additional equipment possible Yes Yes With interlocking device Yes Yes Degree of protection (IP) Yes Yes With in number of modular spacings Yes Yes Built-in depth Yes Yes Ambient temperature during operating Yes Yes Pollution degree Yes Yes Pollution degree Yes Yes Rome Yes Yes Ambient temperature during operating Yes Yes Pollution degree Yes Yes Po	Rated impulse withstand voltage Uimp	kV	/ 4	4
Selective protection Selective protection Selective protection Selective protection Short-time delayed tripping Sh	Mounting method		[DIN rail
Short-tire delayed tripping Yes Short-circuit breaking capacity (lcw) KA 10 Surge current capacity (lcw) KA 30 Frequency KA 50 Hz Additional equipment possible Yes 10 With interlocking device Yes 10 Degree of protection (IP) Yes 10 With in number of modular spacings mm 10 Built-in depth mm 70 Anbient temperature during operating °C 25 + 40 Pollution degree mm 15 + 16	Leakage current type		ļ	A
Short-circuit breaking capacity (lcw) KA 0 Surge current capacity KA 3 Frequency 0 Hz 0 Hz Additional equipment possible 6 6 With interlocking device 6 7 Degree of protection (IP) 70 10 With in number of modular spacings 6 6 Built-in depth 7 0 Anbient temperature during operating 6 6 Pollution degree 2 2 Pollution degree 2 5 Pollution degree 6 6 Pollution degree 6 6 Pollution degree 5 15	Selective protection		1	No
Surge current capacity KA 3 Frequency 50 Hz Additional equipment possible Yes With interlocking device 120 Degree of protection (IP) 120 With in number of modular spacings mm Built-in depth 70 Anbient temperature during operating C Pollution degree 2 Pollution degree mm State 12 Pollution degree mm ² State 12	Short-time delayed tripping		۱	Yes
Frequency 50 Hz Additional equipment possible Yes With interlocking device 120 Degree of protection (IP) 120 With in number of modular spacings mm Built-in depth mm Anbient temperature during operating 25 40 Pollution degree 15 16	Short-circuit breaking capacity (Icw)	kA	A 1	10
Additional equipment possible Mes Additional equipment possible Yes With interlocking device Yes Degree of protection (IP) IP20 With in number of modular spacings Imm Built-in depth mm Ambient temperature during operating Imm Pollution degree Imm Interception Imm	Surge current capacity	kA	A 3	3
With interlocking device Yes Degree of protection (IP) IP20 Width in number of modular spacings mm Built-in depth mm Ambient temperature during operating °C Pollution degree 25 - 40 Connectable conductor cross section multi-wired mm²	Frequency		Ę	50 Hz
Degree of protection (IP) IP20 Width in number of modular spacings Imm Built-in depth mm Ambient temperature during operating °C Pollution degree Imm ² Connectable conductor cross section multi-wired Imm ²	Additional equipment possible		۱	Yes
Width in number of modular spacings Model Model Model Built-in depth mm 70.5 Ambient temperature during operating °C -25 - 40 Pollution degree 2 -25 - 40 Connectable conductor cross section multi-wired mm² 1.5 - 16	With interlocking device		١	Yes
Built-in depth mm 70.5 Ambient temperature during operating °C 25 - 40 Pollution degree 2 2 Connectable conductor cross section multi-wired mm² 1.5 - 16	Degree of protection (IP)		I	IP20
Ambient temperature during operating °C -25 - 40 Pollution degree 2 Connectable conductor cross section multi-wired mm² 1.5 - 16	Width in number of modular spacings		4	4
Pollution degree 2 Connectable conductor cross section multi-wired mm ²	Built-in depth	mr	m 7	70.5
Connectable conductor cross section multi-wired mm ² 1.5 - 16	Ambient temperature during operating	°C	; -	-25 - 40
	Pollution degree		2	2
Connectable conductor cross section solid-core mm ² 1.5 - 35	Connectable conductor cross section multi-wired	mr	m² 1	1.5 - 16
	Connectable conductor cross section solid-core	mr	m² 1	1.5 - 35

Dimensions



