

Circuit-breaker 3p, 800A, fixed

Part no. Article no. IZMX16H3-V08F 123397



Delivery program Product range Air circuit-breakers/switch-disconnectors Product range Open circuit-breakers Current Range Up to 4000 A Selective operation Protective function Installation type Fixed Main terminals must be separately ordered. IZMX16 Construction size Release system Electronic release IEC Standard/Approval Number of poles 3 pole Degree of Protection IP20, IP55 with protective cover, IP41 door sealing frame suitable for zone selectivity optionally fittable by user with comprehensive accessories А 800 Rated current = rated uninterrupted current $I_n = I_u$ up to 440 V 50/60 Hz 65 I_{cu} kA up to 440 V 50/60 Hz I_{cs} kA 50 Overload release, min. ١_r А 400 Overload release, max. ١_r А 800 Non-delayed $I_i = I_n x \dots$ 2 - 12, OFF Delayed $I_{sd} = I_r x \dots$ 2 - 10 $X_{1>}$

Technical data

		IEC/EN 60947
9	°C	-40 - +70
	°C	-25 - +70
		30° 30°
		30° 30°
		В
		IP20, IP55 with protective cover, IP41 door sealing frame
		as required
$I_n = I_u$	А	800
l _u	А	800
	I _n = I _u	°C

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Develop exteger/publics/reduces Image: Control making agence in the second	Rated operational voltage	U _e	V AC	690
Bit decision when by a special	Use in IT electrical power networks up to U = 440 V	IIT	kA	23
	Overvoltage category/pollution degree			111/3
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up to 890 V900 H2 H2 A 4 Operating times I <			kA	50
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the temperature around the circuit-breaker, which is influenced by the ambient temperature, the degree of protection (IP), the mounting height, the partitions, an	Black		mm	2 x 5 x 50
result in derating, which can then be compensated for by increasing the cross-				the temperature around the circuit-breaker, which is influenced by the ambient temperature, the degree of protection (IP), the mounting height, the partitions, and any external ventilation. Depending on the specific switchgear design, this may

sectional area. Temperature rise tests in the specific switchgear can provide specific and detailed information.

Permissible continuous current for circuit-breakers operating in switchboards at various internal ambient temperatures. The switchboard's internal ambient temperature should be estimated using the calculation methods of IEC regulation.

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	800
Equipment heat dissipation, current-dependent	P _{vid}	W	59
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
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 6.0

Low-voltage industrial components (EG000017) / Power circuit-breaker for trafo/generator/installation prot. (EC000228)

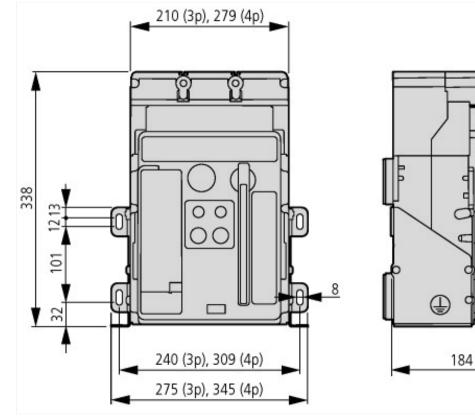
Electric engineering, automation, process control engineering / Low-voltage switch technology / Circuit breaker (LV < 1 kV) / Circuit breaker for power transformer, generator and system protection (ecl@ss8.1-27-37-04-09 [AJZ716010])

Rated permanent current lu	А	800
Rated voltage	V	690 - 690
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	65
Overload release current setting	А	400 - 800
Adjustment range short-term delayed short-circuit release	А	1600 - 8000
Adjustment range undelayed short-circuit release	А	1600 - 9600
Integrated earth fault protection		No
Type of electrical connection of main circuit		Rail connection
Device construction		Built-in device fixed built-in technique
Suitable for DIN rail (top hat rail) mounting		No
DIN rail (top hat rail) mounting optional		No
Number of auxiliary contacts as normally closed contact		0

Number of auxiliary contacts as normally open contact	0
Number of auxiliary contacts as change-over contact	2
Switched-off indicator available	Yes
With under voltage release	No
Number of poles	3
Position of connection for main current circuit	Back side
Type of control element	Push button
Complete device with protection unit	Yes
Motor drive integrated	No
Motor drive optional	Yes
Degree of protection (IP)	IP20

250

Dimensions



12/16/2016