DATASHEET - BZMD1-A20-BT



Circuit-breaker, 1p, 20A, box terminal

Part no. BZMD1-A20-BT Catalog No. 109736 Alternate Catalog BZMD1-A20-BT No.



Similar to illustration

Design verification as per IEC/EN 61439

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Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	20
Equipment heat dissipation, current-dependent	P _{vid}	W	4.7
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 7.0

Low-voltage industrial components (EG000017) / Power circuit-breaker for trafo/generator/installation protection (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@ss10.0.1-27-37-04-09 [AJZ716013])

protection (ecl@ss10.0.1-27-37-04-09 [AJZ716013])		
Rated permanent current lu	Α	20
Rated voltage	V	415 - 415
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	15
Overload release current setting	Α	0 - 0
Adjustment range short-term delayed short-circuit release	Α	0 - 0
Adjustment range undelayed short-circuit release	Α	256 - 384
Integrated earth fault protection		No
Type of electrical connection of main circuit		Frame clamp
Device construction		Built-in device fixed built-in technique
Suitable for DIN rail (top hat rail) mounting		No
Adjustment range short-term delayed short-circuit release Adjustment range undelayed short-circuit release Integrated earth fault protection Type of electrical connection of main circuit Device construction	А	0 - 0 256 - 384 No Frame clamp Built-in device fixed built-in technique

Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact No Nith switched-off indicator No No Number of poles Position of connection for main current circuit Type of control element Complete device with protection unit O O O O O O O O O O O O O		
Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact No With switched-off indicator No With under voltage release No No Number of poles Position of connection for main current circuit Type of control element Complete device with protection unit O O O O O O O O O O O O O	DIN rail (top hat rail) mounting optional	Yes
Number of auxiliary contacts as change-over contact No With switched-off indicator No With under voltage release No Number of poles Sosition of connection for main current circuit Front side Type of control element Complete device with protection unit O No No Rocker lever Yes	Number of auxiliary contacts as normally closed contact	0
With switched-off indicator With switched-off indicator With under voltage release No Number of poles Sosition of connection for main current circuit Type of control element Complete device with protection unit No Rocker lever Yes	Number of auxiliary contacts as normally open contact	0
Nith under voltage release No Number of poles 2 osition of connection for main current circuit Front side Rocker lever Complete device with protection unit No Yes	Number of auxiliary contacts as change-over contact	0
Number of poles 2 Sosition of connection for main current circuit 3 Front side Front side Rocker lever Complete device with protection unit Yes	With switched-off indicator	No
Position of connection for main current circuit Front side Rocker lever Complete device with protection unit Yes	With under voltage release	No
Type of control element Complete device with protection unit Rocker lever Yes	Number of poles	3
Complete device with protection unit Yes	Position of connection for main current circuit	Front side
	Type of control element	Rocker lever
Makey deliver interpreted	Complete device with protection unit	Yes
violor unive integrated NO	Motor drive integrated	No
Motor drive optional No	Motor drive optional	No
Degree of protection (IP)	Degree of protection (IP)	IP20