DATASHEET - FAZ6-B16/2



Miniature circuit breaker (MCB), 16 A, 2p, characteristic: B, 6 kA

 I_n

Powering Business Worldwide*

FAZ6-B16/2 Part no. 239088 Catalog No. **Alternate Catalog** FAZ6-B16/2 No.

Similar to illustration

Design verification as per IFC/FN 61439

Design vernication as per 126/214 01453	,
Technical data for design verification	

Rated operational current for specified heat dissipation

Equipment heat dissipation, current-dependent	P _{vid}	W	4.7
IEC/EN 61439 design verification			

10.2. 10.2

10.3 Degree of protection of ASSEMBLIES 10.4 Clearances and creepage distances

10.5 Protection against electric shock

10.8 Connections for external conductors

10.9 Insulation properties

10.9.3 Impulse withstand voltage

10.11 Short-circuit rating

10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections

10.9.2 Power-frequency electric strength

10.9.4 Testing of enclosures made of insulating material

10.10 Temperature rise

10.12 Electromagnetic compatibility

10.13 Mechanical function

Equipment neat dissipation, current-dependent	P _{vid}	VV	4.7
EC/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.

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Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated.

Does not apply, since the entire switchgear needs to be evaluated.

Is the panel builder's responsibility. Is the panel builder's responsibility.

Is the panel builder's responsibility.

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Is the panel builder's responsibility.

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

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The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 8.0

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss10.0.1-27-14-19-01 [AAB905014])		
Built-in depth	mm	70.5
Release characteristic		В
Number of poles (total)		2
Number of protected poles		2
Rated current	Α	16

Asted insulation voltage Uin Asted insulation voltage Uinp Asted impulse withstand voltage Uinp Asted short-circuit breaking capacity Icn according to EN 60898 at 230 V Asted short-circuit breaking capacity Icn according to EN 60898 at 400 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 230 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 230 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 400 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 230 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking capacity Icn according to IEC 60947-2 at 200 V Asted short-circuit breaking			
Asted impulse withstand voltage Ulimp Related short-circuit breaking capacity Icn according to EN 60898 at 230 V Related short-circuit breaking capacity Icn according to EN 60898 at 400 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Related short-circuit breaking capacit	Rated voltage	V	400
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V kA 6 Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V kA 6 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 609	Rated insulation voltage Ui	V	440
AC Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 200 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 200 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 200 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 200 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 200 V Rated short-circuit breaking capacity Icu according to IEC 60947-2	Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V	kA	6
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	Voltage type		AC
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V Frequency Hz 50 - 60 Current limiting class Flush-mounted installation Concurrently switching neutral conductor Concurrentl	Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	6
Hz 50 - 60 Current limiting class 3 Current limiting class 3 Currently switching neutral conductor No Concurrently switching neutral conductor Voltage category 3 Continue category 2 Confidence Confidence No Concurrently switching neutral conductor Voltage category 3 Connectable conductor cross section multi-wired Mm² 1 - 25 Connectable conductor cross section solid-core mm² 1 - 25	Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V	kA	10
Current limiting class Current limiting current limiting current limiting current limiting current limiting curre	Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	kA	10
Flush-mounted installation Concurrently switching neutral conductor Over voltage category Pollution degree Additional equipment possible Width in number of modular spacings Degree of protection (IP) Ambient temperature during operating Connectable conductor cross section multi-wired Connectable conductor cross section solid-core No No No No 1 2 2 4 4 5 6 7 7 8 7 8 8 8 8 9 1 1 1 1 1 1 1 1 1 1 1 1	Frequency	Hz	50 - 60
Concurrently switching neutral conductor Over voltage category 3 Pollution degree 2 Additional equipment possible Width in number of modular spacings 2 Degree of protection (IP) Ambient temperature during operating °C Connectable conductor cross section multi-wired mm² 1 - 25 Connectable conductor cross section solid-core No No 1 1 1 1 1 1 1 1 1 1 1 1 1	Current limiting class		3
Over voltage category 3 Pollution degree 2 Additional equipment possible Width in number of modular spacings 2 Degree of protection (IP) Ambient temperature during operating °C Connectable conductor cross section multi-wired mm² 1 - 25 Connectable conductor cross section solid-core 3 Yes Yes 2 Degree of protection (IP) IP20 Ambient temperature during operating °C -25 - 75 Connectable conductor cross section solid-core mm² 1 - 25	Flush-mounted installation		No
Pollution degree 2 Additional equipment possible Yes Width in number of modular spacings 2 Degree of protection (IP) IP20 Ambient temperature during operating °C -25 - 75 Connectable conductor cross section multi-wired mm² 1 - 25 Connectable conductor cross section solid-core mm² 1 - 25	Concurrently switching neutral conductor		No
Additional equipment possible Width in number of modular spacings Degree of protection (IP) Ambient temperature during operating Connectable conductor cross section multi-wired Connectable conductor cross section solid-core Tyes Pyes 1 P20 1 - 25 - 75 1 - 25 1 - 25	Over voltage category		3
Width in number of modular spacings 2 Degree of protection (IP) Ambient temperature during operating °C -25 - 75 Connectable conductor cross section multi-wired mm² 1 - 25 Connectable conductor cross section solid-core mm² 1 - 25	Pollution degree		2
Degree of protection (IP) Ambient temperature during operating °C -25 - 75 Connectable conductor cross section multi-wired mm² 1 - 25 Connectable conductor cross section solid-core mm² 1 - 25	Additional equipment possible		Yes
Ambient temperature during operating °C -25 - 75 Connectable conductor cross section multi-wired mm² 1 - 25 Connectable conductor cross section solid-core mm² 1 - 25	Width in number of modular spacings		2
Connectable conductor cross section multi-wired mm² 1 - 25 Connectable conductor cross section solid-core mm² 1 - 25	Degree of protection (IP)		IP20
Connectable conductor cross section solid-core mm ² 1 - 25	Ambient temperature during operating	°C	-25 - 75
	Connectable conductor cross section multi-wired	mm²	1 - 25
Explosion-proof No	Connectable conductor cross section solid-core	mm²	1 - 25
	Explosion-proof		No

Additional product information (links)

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Temperature dependency, derating	https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table
	FAZ6.pdf