



FAZ-B4/3 278839 FAZ-B4/3



Similar to illustration

	Delivery program			
Tripping characteristic     B       Application     Subtripper finductial and advanced commercial applications       Application     Note that ourmany       Reted switching capacity sec. to ECCEN 0047-2     Note       Product range     Note       Product range range PEC/EN 061439     Note       Product range ran				Miniature circuit breakers
Application   Number of the second	Number of poles			3 pole
Rated current Le A A   Rated seching capacity acc: to IEDEM B0847-2 IA 15   Product range FA2   Technical data   Electrical IA 15   Technical data   Electrical IA 15   Technical data for disponential current for space/ide head dissipation IA 15   Technical data for disponential current for space/ide head dissipation IA 4   Rated operational current for space/ide head dissipation IA 4   Rated operational current for space/ide head dissipation IA 4   Rated operational current for space/ide head dissipation IA 4   Rated operational current for space/ide head dissipation IA 4   Rated operational current for space/ide head dissipation IA 4   Rated operational current for space/ide head dissipation IA 4   Rated operational current for space/ide head dissipation IA 4   Rated dissipation capacity Pade W 0   Operating ambient temperature max. IC -40   IB22 Control dissipation resistance of insulating matrinals to normal heat IA IA   IB22 Somethor dissipation resistance of insulating matrinals to normal heat IA <td>Tripping characteristic</td> <td></td> <td></td> <td>В</td>	Tripping characteristic			В
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Product range   FA2     Cechnical data   Electrical     Bated witching expacity acc. to EC/EN 600-2   KA   15     Operating mixing status of design verification   No   4     Bated dustriching expacity acc. to EC/EN 610439   V   0     Eclaptioned data for design verification   No   4     Bated doperational current for specifie heat dissipation   Poid   V   0     Eclaptionent that dissipation, current dependent   Poid   V   0     Deparating mixing mixing ambient temperature mix.   Poid   V   0     Operating mixing mixing ambient temperature mix.   Poid   V   0     ID 22 Strength of materials and parts   Poid   V   0     ID 23 Strength of materials and parts   Poid   V   0     ID 23 Strength of materials and parts   Poid   V   0   0     ID 23 Strength of materials and parts   Poid   V   0   0     ID 23 Strength of materials and parts   Poid   Meets the product standard is requirements.   0     ID 24 Resign of materials and parts   Poid   Poid   Poid   0   0   0	Rated current	In	A	4
Technical data     Electrical     Rude switching capacity sec. to EC/EN 6499-2   KA   15     Design verification as per IE/C/EN 61439   V   0     Rude deprational current for specified hast dissipation   In   A   4     Heat dissipation current-dependent   Pod   V   0     Example that dissipation, current-dependent   Pod   V   0     Operating ambient temperature max.   Pod   V   0     Operating ambient temperature max.   *C   75   inear, pr +1 *C, results in a 0.5% reduction of current carrying capacity     IEC/EN 6439 design verification   Neets the product standard's requirements.   Neets the product standard's requirements.     102.2 Corration resistance   Insert merel design developments.   Neets the product standard's requirements.     102.2 Verification of resistance of insulating materials to normal heat   Neets the product standard's requirements.     102.2 Verification of resistance of insulating materials to normal heat   Neets the product standard's requirements.     102.2 Verification of resistance of insulating materials to normal heat   Neets the product standard's requirements.     102.2 Verification of resistance of insulating materials to normal heat   Neets the product standard's requirements.	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
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Design verification as per IEC/EN 61439     Trohnical data for design verification     Rated operational current for specific thert dissipation   In   A     Heat dissipation, current-dependent   Puid   W   0     Equipment heat dissipation, current-dependent   Puid   W   0     Heat dissipation, current-dependent   Puid   W   0     Operating ambient temperature min.   C   75   10     Operating ambient temperature min.   C   75   10   10     102.25 trensph of materials and parts   C   75   10   10   10   10   25% reduction of current carrying capacity     102.25 trensph of materials and parts   102.25 creasion resistance   Meets the product standard's requirements.   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10   10	Electrical			
Technical data for design verification   In   A     Rated operational current for specified heat dissipation   In   A     Heat dissipation current for specified heat dissipation   Pad   W   0     Equipment heat dissipation, current dependent   Pad   W   0     Equipment heat dissipation, current-dependent   Pad   W   0     Deprating ambient temperature min.   C   -40     Operating ambient temperature max.   C   -40     Ib2.Strongh of materials and parts   C   -5     102.Strongh of materials and parts   C   5     102.Strongh of materials and parts   C   Meets the product standard's requirements.     102.Strongh of materials and parts   C   Meets the product standard's requirements.     102.Strongh of materials and parts   C   Meets the product standard's requirements.     102.Strongh of materials be abnormal heat   C   Meets the product standard's requirements.     102.Strongh of materials to normal heat   C   Does not apply, since the entire switchgear needs to be evaluated.     102.Strongh of dissibility of enclosures   C   Does not apply, since the entire switchgear needs to be evaluated.     102.Strongh of materials	Rated switching capacity acc. to IEC/EN 60947-2		kA	15
Technical data for design verification   In   A     Rated operational current for specified heat dissipation   In   A     Heat dissipation current for specified heat dissipation   Pad   W   0     Equipment heat dissipation, current dependent   Pad   W   0     Equipment heat dissipation, current-dependent   Pad   W   0     Deprating ambient temperature min.   C   -40     Operating ambient temperature max.   C   -40     Ib2.Strongh of materials and parts   C   -5     102.Strongh of materials and parts   C   5     102.Strongh of materials and parts   C   Meets the product standard's requirements.     102.Strongh of materials and parts   C   Meets the product standard's requirements.     102.Strongh of materials and parts   C   Meets the product standard's requirements.     102.Strongh of materials be abnormal heat   C   Meets the product standard's requirements.     102.Strongh of materials to normal heat   C   Does not apply, since the entire switchgear needs to be evaluated.     102.Strongh of dissibility of enclosures   C   Does not apply, since the entire switchgear needs to be evaluated.     102.Strongh of materials	Design verification as per IFC/FN 61439			
Rated operational current for specified heat dissipation     n     A       Heat dissipation per pole, current-dependent     Paid     W     0       Equipment heat dissipation, current-dependent     Paid     W     44       Static heat dissipation, current-dependent     Paid     W     0       Up operating ambient temperature min.     C     40     0       Operating ambient temperature min.     C     75     insert, per +1 °C, results in 0.5% reduction of current carrying capacity       IECEN 01458 design verification     C     75     insert, per +1 °C, results in 0.5% reduction of current carrying capacity       IECEN 01458 design verification     C     75     insert, per +1 °C, results in 0.5% reduction of current carrying capacity       IECEN 01458 design verification     C     75     insert, per +1 °C, results in 0.5% reduction of current carrying capacity       IECEN 01458 design verification     C     75     insert, per +1 °C, results in 0.5% reduction of current carrying capacity       IECEN 01458 design verification     Meets the product standard's requirements.     insert is subject is design verification       IO2.21 Verification of resistance of insulating materials to normal heat     Meets the product standard's requirements.				
Heat dissipation prople, current-dependentPridWEquipment heat dissipation, current-dependentPridW44Static heat dissipation, current-dependentPridW0Heat dissipation capacityPridsW0Operating ambient temperature min.C-40Operating ambient temperature min.C-40Operating ambient temperature max.C75IEC/EN 61439 design verificationC75102.2 Strength of materials and partsMeets the product standard's requirements.102.3 Uverification of thermal stability of anclosuresMeets the product standard's requirements.102.3.2 Verification of thermal stability of anclosuresMeets the product standard's requirements.102.3.2 Verification of insultating materials to abormal heat and fire due to internal electric effectsMeets the product standard's requirements.102.3 Lyterification of assistanceMeets the product standard's requirements.102.3 Lyterification of assistance of insultating materials to abormal heat and fire due to internal electric effectsMeets the product standard's requirements.102.3 Lyterification of assistanceMeets the product standard's requirements.102.3 Lyterification internal electric effects		la.	A	4
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IEC/EN 61439 design verificationImage: Constraint of the second of the seco	Operating ambient temperature max.		°C	75
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10.6 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility.10.7 Internal electrical circuits and connectionsIs the panel builder's responsibility.10.8 Connections for external conductorsIs the panel builder's responsibility.10.9 Insulation propertiesIs the panel builder's responsibility.10.9.2 Power-frequency electric strengthIs the panel builder's responsibility.10.9.3 Impulse withstand voltageIs the panel builder's responsibility.10.9.4 Testing of enclosures made of insulating materialIs the panel builder's responsibility.10.10 Temperature riseThe panel builder is responsibile for the temperature rise calculation. Eaton we have a standard calculation.	10.4 Clearances and creepage distances			Meets the product standard's requirements.
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   Is the panel builder's responsibility.     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 responsibility.	10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.8 Connections for external conductors   Image: Conductors of the panel builder's responsibility.     10.9 Insulation properties   Is the panel builder's responsibility.     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 responsibile for the temperature rise calculation. Eaton we have a second	10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.9 Insulation properties   Image: Constraint of the panel builder's responsibility.     10.9.2 Power-frequency electric strength   Image: Constraint of the panel builder's responsibility.     10.9.3 Impulse withstand voltage   Image: Constraint of the panel builder's responsibility.     10.9.4 Testing of enclosures made of insulating material   Image: Constraint of the panel builder's responsibility.     10.10 Temperature rise   Image: Constraint of the temperature rise calculation. Eaton we calculate the panel builder is responsibility.	10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
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 responsibility.	10.8 Connections for external conductors			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 responsibile for the temperature rise calculation. Eaton we have a second	10.9 Insulation properties			
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 v	10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.10 Temperature rise The panel builder is responsible for the temperature rise calculation. Eaton v	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 mu observed.	10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.

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

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) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installati [AAB905011])	on, device / Miniature o	circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01
Release characteristic		В
Number of poles (total)		3
Number of protected poles		3
Nominal rated current	А	4
Nominal rated voltage	V	400
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	10
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	10
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	15
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	15
Voltage type		AC
Current limiting class		3
Frequency	Hz	50 - 60
Concurrently switching N-neutral		No
Suitable for flush-mounted installation		No
Over voltage category		3
Pollution degree		2
Width in number of modular spacings		3
Built-in depth	mm	70.5
Additional equipment possible		Yes
Degree of protection (IP)		IP20

## **Approvals**

UL File No. ETT7451 UL Category Control No. CSA File No. CSA Catestification CSA Class No. CSA Class No. Conditions of Acceptability CSA File No. Conditions of Acceptability CSA Catestification Conditions of Acceptability CSA Catestification CSA Class No. Conditions of Acceptability CSA Catestification CSA Class No.		
UL Category Control No.QVNU2, QVNU8CSA File No.204453CSA Class No.3215-30North America CertificationUL recognized, CSA certifiedConditions of AcceptabilitySouplementary Protector onlySuitable forFranch Circuits; not as BCPDCurrent Limiting Circuit-BreakerNoMax. Voltage RatingSouplementary NAC	Product Standards	IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking
CSA File No.204453CSA Class No.3215-30North America CertificationUL recognized, CSA certifiedConditions of AcceptabilitySupplementary Protector onlySuitable forBranch Circuits; not as BCPDCurrent Limiting Circuit-BreakerNoMax. Voltage RatingGood and an an and an an an and an an an and an	UL File No.	E177451
CSA Class No.3215-30North America CertificationUL recognized, CSA certifiedConditions of AcceptabilitySupplementary Protector onlySuitable forBranch Circuits; not as BCPDCurrent Limiting Circuit-BreakerNoMax. Voltage RatingGenetary Protector only	UL Category Control No.	QVNU2, QVNU8
North America CertificationUL recognized, CSA certifiedConditions of AcceptabilitySupplementary Protector onlySuitable forBranch Circuits; not as BCPDCurrent Limiting Circuit-BreakerNoMax. Voltage RatingGeodef Acceptability	CSA File No.	204453
Conditions of Acceptability Supplementary Protector only   Suitable for Branch Circuits; not as BCPD   Current Limiting Circuit-Breaker No   Max. Voltage Rating 480Y/277 VAC	CSA Class No.	3215-30
Suitable for Branch Circuits; not as BCPD   Current Limiting Circuit-Breaker No   Max. Voltage Rating ABOY/277 VAC	North America Certification	UL recognized, CSA certified
Current Limiting Circuit-Breaker No   Max. Voltage Rating 480Y/277 VAC	Conditions of Acceptability	Supplementary Protector only
Max. Voltage Rating 480Y/277 VAC	Suitable for	Branch Circuits; not as BCPD
	Current Limiting Circuit-Breaker	No
Degree of Protection IEC: IP20; UL/CSA Type: -	Max. Voltage Rating	480Y/277 VAC
	Degree of Protection	IEC: IP20; UL/CSA Type: -