## **DATASHEET - NZMB2-A63-NA**

## Circuit-breaker, 3p, 63A

Part r	10.
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NZMB2-A63-NA 269211



Product name         Fact         Fact         Fact           Fact         4000000000000000000000000000000000000	General specifications	
EAN     Field Statistics (Section 2000)       Product length Quest     He allinerse       Product length Quest     He allinerse       Product length Quest     He allinerse       Product weight     He allinerse       Compliances     He allinerse       Compliances     He allinerse       Product weight     He allinerse       Compliances     He allinerse       Product weight     He allinerse       Compliances     He allinerse       Product weight     He allinerse       Product register and the allinerse     He allinerse       Product Trademann     He allinerse       Product Trademann<	Product name	Eaton Moeller series NZM molded case circuit breaker thermo-magnetic
Product LangtwEngthImage: Set of MaintenersProduct WeightImage: Set of MaintenersProduct WeightZdd SidogramCombinenesRelfs ContomCombinenesRelfs ContomCombinenesRelfs ContomCombinenesRelfs ContomCombinenesRelfs ContomCombinenesRelfs ContomCombinenesRelfs ContomCombinenesRelfs ContomCombinenesRelfs ContomProduct KengthRelfs ContomRelfs ContomRelfs ContomRelfs ContomRelfs ContomProduct KengthRelfs ContomProduct KengthRelfs ContomProduct KengthRelfs ContomRelfs Contom <td>Part no.</td> <td>NZMB2-A63-NA</td>	Part no.	NZMB2-A63-NA
Product weight       Product weight         Product weight       Dominimetre         Product weight       BoHS carlorn         Compliances       BoHS carlorn         Compliances       BoHS carlorn         Product weight       BoHS carlorn         Product Weight       BoHS carlorn         Product Tradewarm       IFC         Product Tradewarm       Product Tradewarm	EAN	4015082692117
Preduct weight       104	Product Length/Depth	149 millimetre
Product weight       2.408 klogram         Compliances       RotiS cardism         Contractions       RotiS cardism         Contractions       Subscriptions         Contractions       Subscriptions         Contractions       Subscriptions         Subscriptions       Subscriptions         Subscriptions       Subscriptions         Product Trademame       NEM         Product Stop Type       Branch circuits Trademark Stopp/Stopsen at 40 V         Type       Discoperations       NEM         Rele case stopsen       NEM       NEM         Rele case stopsen       NEM       NEM         Rele case stopsen       NEM       NEM         Rele cas	Product height	195 millimetre
Compliance         Poiles Configurations         Poiles Configuration Configuration Configurations         Poiles Configurat	Product width	105 millimetre
Product Tradename       FC         Product Tradename       Interd         Product Tradename <td>Product weight</td> <td>2.409 kilogram</td>	Product weight	2.409 kilogram
Product Tradename       Interpretation Numerical Signal of North Americal Signal of North Americal Signal Sig	Compliances	RoHS conform
Product Type         Moded case circuit breaker           Product Sub Type         Thermo-magnetic           Delivery program         Feach circuits, feder circuits           Application         Circuit breaker           Type         Circuit breaker           Circuit breaker frame type         Circuit breaker           Number of poles         Thermo-magnetic circuits           Amproage Raing         Thermo-magnetic circuits           Release system         Features           Pestures         Motor drive optional           Special features         Motor drive optional           Voltager raing         Motor drive optional           Release system         Motor drive optional           Release raing (Matter Short-circuit currents at the installation location acced the system grapech of the circuit breaker (Bated Short-circuit durents)           Special features         Motor drive optional           Release raing (Matter Short-Circuit Currents at the installation location acced the system durent Sd Short-Circuit durents at the installation location acced the system durent Sd Short-Circuit durents at the installation location acced the system durent Sd Short-Circuit durents at the installation location acced the system durent Sd Short-Circuit durents at the installation location acced the system durent Sd Short-Circuit durents at the installation location acced the system durent Sd Short-Circuit durent setting (Hort acced St Short-Circuit durent seting (Hort acced St Short Circuit Sc Sh	Certifications	CSA certified IEC 60947-2 Specially designed for North America UL 489 UL listed CSA-C22.2 No. 5-09 IEC/EN 60947 CSA (Class No. 1432-01) UL (File No. E31593) UL (Category Control Number DIVQ) CSA (File No. 22086) CE marking
Product Sub Type       Thermo-magnetic         Delivery program       Branch circuits (Supply systems at 40 V)         Application       Branch circuits (Supply systems at 40 V)         Type       Circuit breaker frame type         Circuit breaker frame type       NZM2         Number of poles       NZM2         Application       There-pole         Release system       63 A         Petures       Thermo-magnetic release         Protection unit       Maximum ack-tup (see, if the expected short-circuit currents at the installation in the system (Rated short-circuit treats at the installation in the system (Rated short-circuit treats at the installation in the system (Rated short-circuit treats at the installation in the system (Rated short-circuit treats at the installation in the system of the circuit treats at the installation in the system of the circuit treats at the installation in the system of the circuit treats at the installation in the system of the circuit treats at the installation in the system of the circuit treats at the installation in the system of the circuit treats at the installation in the system of the circuit treats at the installation in the system of the circuit treats at the installation in the system of the circuit treats at the installation in the system of the circuit treats at the installation of the circuit treats at the system of the circuit treats at the installation of the circuit treats at the system of the circuit treat	Product Tradename	NZM
Delivery program       Image: Construction of the second supply systems at 440 V         Application       Type         Type       Concut breaker         Circuit breaker frame type       NZM2         Number of poles       NZM2         Amperage Rating       Good SA         Release system       Fastures         Features       Theremongene for the second systems at 440 V         Special features       Montor drive optional Protection unit         Voltage rating       Maximum had-xur fyses, if the expected short-circuit urerents at the installation tocation exceed the switching capacity of the circuit besker (Rated short-circuit duriner rated uninterrupted current. SA Switches contained on the rating plate.         Voltage rating       440 V - 440 V         Rated operating voltage (Uin)       Maximum had-xur voltage (Uin) Rated operating voltage (Uin) at axuilary contacts       S00 V (S000 V V)         Rated insulation voltage (Uin)       Maximum had-xur voltage (Uing) at axuilary contacts       S00 V (S000 V V)         Rated insulation voltage (Uing) at axuilary contacts       S00 V (S000 V V)       S00 A (S00/400 V AC-1, making and breaking capacity)         S00 A (S00/400 V AC-1, making and breaking capacity)       S00 A (S00/400 V AC-1, making and breaking capacity)         S00 A (S00/400 V AC-1, making and breaking capacity)       S00 A (S00/400 V AC-1, making and breaking capacity)         S00 A (S00/40	Product Type	Molded case circuit breaker
Application       Branch circuits, feeder circuits Use in unbracker Circuit bracker frame type         Number of poles       Circuit bracker Number of poles         Amperage Rating       SA         Release system       Three-pole         Features       Motor drive optional Protection unit         Special features       Motor drive optional Protection unit         Voltage rating       Maximum back-up fuse, if the expected short-circuit bracker (Rated short-circuit breaking capacity of the circuit breaker (Rated short-circuit breaking capacity)         Voltage rating       Voltage rating       Maximum back-up fuse, if the expected short-circuit breaking capacity of the circuit breaker (Rated short-circuit breaking capacity)         Rated insulation voltage (Ui)       Maximum back-up fuse       Sol 000 V	Product Sub Type	Thermo-magnetic
Type       Use in uncarthed supply systems at 440 V         Type       Circuit breaker         Circuit breaker frame type       NZM2         Number of poles       Three-pole         Amperage Rating       63 A         Release system       Formomagnetic release         Features       Motor drive optional Protection units         Special features       Motor drive optional Protection units         Values rating       Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity facily         Values rating       Adv - 440 V         Rated operating values (U(U) - max       600 V/AC         Rated inpulse withstand voltage (U(U) - max       600 V/AC         Rated operational current       600 V/AC - 1. making and breaking capacity)         Rated operational voltage (U(U) - max       300 A (380400 V/AC - 1. making and breaking capacity)         Rated inpulse withstand voltage (U(I))       600 V/AC - 1. making and breaking capacity)         Rated inpulse withstand voltage (U(I) - max       300 A (380400 V/AC - 1. making and breaking capacity)         Rated operational current       600 V/AC - 1. making and breaking capacity)         Stock deperational current       600 A (280400 V/AC - 1. making and breaking capacity)         Rated inpulse withstand vol	Delivery program	
Circuit breaker frame type       NZM2         Number of poles       Three-pole         Amperage Rating       B3 A         Release system       Thermomagnetic release         Features       Motior of the expected short-circuit currents at the installation location unit         Special features       Motior of the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity) (lon)         Technical Data - Electrical       Motior of the expected short-circuit breaking capacity) (lon)         National performance values are contained on the rating plate.       440 V - 440 V         Rated insulation voltage (Ui)       600 VAC         Rated insulation voltage (Uinp) at auxiliary contacts       6000 V         Rated operating voltage (Uinp) at auxiliary contacts       6000 V         Rated operating (l) - max       8000 V         Rated operating (l) - min       300 A (AltSU AC-1, making and breaking capacity)         Instantaneous current setting (li) - min       600 A (Alt SU AC-1, making and breaking capacity)         Overload current setting (li) - min       600 A (Alt SU AC-1, making and breaking capacity)         Short delay current setting (lic) - min       600 A (Alt SU AC-1, making and breaking capacity)         Overload current setting (lic) - min       600 A (Alt SU AC-1, making and breaking capacity) <td></td> <td></td>		
Number of polesThree-poleAmperage Rating63 ARelease system63 AFeaturesMotor drive optional Protection unitSpecial featuresMotor drive optional Protection unitSpecial featuresMaximum back-up fuse, if the expected short-circuit currents at the installation lucation exceed the switching capacity of the circuit breaker (Rated short-circuit breaking expective) Rated operating voltage Ue(U) - maxRated operating voltage Ue(U) - max6007/347 V.480 VRated insulation voltage (Uimp) at auxiliary contacts6000 VRated operational current300 A (380/400 V AC-1, making and breaking capacity)Sub A (15 V AC-1, making and breaking capacity)300 A (380/400 V AC-1, making and breaking capacity)Instantaneous current setting (Ii) - max600 AOverload current setting (Ii) - max600 AOverload current setting (Ii) - max600 AOverload current setting (Ii) - max600 AShort delay current setting (Ii) - max600 A	Туре	Circuit breaker
Amperage Rating63 ARelease systemThermonagnetic releaseFeaturesMotor drive optional Protection unitSpecial featuresMotor drive optional Develog apacity of the circuit breaker (Rated short-circuit current setting (II) - maxVoltage ratingMotor drive optional current setting (II) - maxRated operational current setting (II) - maxMotor drive optional current setting (II) - maxRated operating (II) - maxMotor drive optional current setting (III) - maxRated operation (III) - maxMotor drive optional current setting (III) - maxNotroded current setting (III) - maxMotor drive optional current setting (III) - maxNotroded current setting (III) - maxMotor drive optional current setting (III) - maxShort delay current setting (III) - maxMotor drive optional current setting (III) - maxShort delay current setting (III) - maxMotor drive optional current setting (III) - maxShort delay current setting (III) - maxMotor drive optional current setting (III) - maxShort delay current setting (III) - maxMotor drive optional current setting (III) - maxShort delay current setting (III) - maxMotor drive optional current setting (III) - maxShort delay current setting (III) - maxMotor drive optional current setting (III) - maxShort delay current setting (III) - maxMotor drive optional current setting (III) - maxShort delay current setting (III) - maxMotor drive optional current setting (III) - maxShort delay current setting (III) - maxMotor drive optional current setting (IIII) - maxShort delay current setting (I	Circuit breaker frame type	NZM2
Release system       Thermomagnetic release         Features       Motor drive optional Protection unit         Special features       Motor drive optional Protection unit         Special features       Motor drive optional Protection unit         Voltage rating       Adjustimum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity lon) Rated current = rated uninterrupted ourrent: 63 A Switches conform to ULVSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjustable overlad releases Ir         Yoltage rating       440 V - 440 V         Rated operating voltage Ue (UL) - max       6007/347 V, 480 V         Rated inpulse withstand voltage (Uimp) at auxiliary contacts       6000 V         Rated operational current       8000 V         Rated operational current       300 A (380/400 V AC-1, making and breaking capacity) 300 A (415 V AC-1, making and breaking capacity)         Instantaneous current setting (Ir) - max       500 A         Overload current setting (Ir) - max       503 A         Overload current setting (Ir) - max       503 A         Short delay current setting (Isd) - min       503 A         Short delay current setting (Isd) - min       503 A	Number of poles	Three-pole
FeaturesMotor drive optional Protection unitSpecial featuresMotor drive optional Protection unitSpecial featuresMaximum back up fuse, if the expected short-circuit urents at the installation to earling exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity (or) Rated current - rated uninterrupted current: 63 A Switchess conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjusted ourrent - rated uninterrupted current: 63 A Switchess conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjusted ourrent - rated uninterrupted current: 63 A Switchess conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjusted ourrent: 63 A Switchess conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjusted ourrent: 63 A Switchess conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjusted ourrent: 63 A Switchess conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate. Adjusted ourrent: 63 A Switchess conform to UL/CSA as well as the IEC regulations. IEC switching Switchess conform to UL/CSA as well as the IEC regulations. Switchess conform to UL/CSA as well as the IEC regulations. IEC switching capacity (IC) Switchess conform to UL/CSA as well as the IEC regulations.Rated operating voltage (Uimp) at axiliary contactsSwitchess conform to UL/CSA as well as the IEC regulations.Rated operational currentSwitchess conform to UL/CSA as well as the IEC regulations.<	Amperage Rating	63 A
Special features         Protection unit           Special features         Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit	Release system	Thermomagnetic release
Instantaneous current setting (i) - minInstantaneous current setting (i) - maxInstantaneous	Features	
Voltage rating       440 V - 440 V         Rated operating voltage Ue (UL) - max       6007/347 V, 480 V         Rated insulation voltage (Uin)       690 V AC         Rated inpulse withstand voltage (Uimp) at auxiliary contacts       6000 V         Rated operational current       6000 V         Rated operational current       8000 V         Instantaneous current setting (li) - min       800 V         Overload current setting (li) - max       600 V         Overload current setting (lr) - max       600 V         Short delay current setting (lsd) - min       600 V	Special features	location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 63 A Switches conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate.
Rated operating voltage Ue (UL) - max       600Y/347 V, 480 V         Rated insulation voltage (Ui)       600 V AC         Rated inpulse withstand voltage (Uimp) at auxiliary contacts       600 V AC         Rated inpulse withstand voltage (Uimp) at main contacts       8000 V         Rated operational current       8000 V         Instantaneous current setting (Ii) - min       300 A (380/400 V AC-1, making and breaking capacity) 300 A (415 V AC-1, making and breaking capacity)         Instantaneous current setting (Ii) - max       600 V         Overload current setting (Ir) - max       600 V         Overload current setting (Ir) - max       600 V         Short delay current setting (Isd) - min       600 V	Technical Data - Electrical	
Rated insulation voltage (Uin)       690 V AC         Rated impulse withstand voltage (Uimp) at auxiliary contacts       6000 V         Rated impulse withstand voltage (Uimp) at main contacts       8000 V         Rated operational current       6000 V         Instantaneous current setting (li) - min       8000 V         Instantaneous current setting (li) - max       6000 V         Overload current setting (lr) - max       6000 V         Overload current setting (lr) - max       6000 V         Overload current setting (ls) - min       6000 V         Overload current setting (lr) - max       6000 V         Overload current setting (lr) - max       6000 V         Overload current setting (ls) - min       6000 V         Overload current setting (lr) - max       6000 V         Overload current setting (lr) - max       6000 V         Overload current setting (ls) - min       0A	Voltage rating	440 V - 440 V
Rated impulse withstand voltage (Uimp) at auxiliary contacts       6000 V         Rated impulse withstand voltage (Uimp) at main contacts       8000 V         Rated operational current       300 A (380/400 V AC-1, making and breaking capacity) 300 A (415 V AC-1, making and breaking capacity)         Instantaneous current setting (Ii) - min       380 A         Instantaneous current setting (Ii) - max       600 V         Overload current setting (Ir) - max       600 V         Overload current setting (Ir) - max       600 V         Short delay current setting (Isd) - min       600 V	Rated operating voltage Ue (UL) - max	600Y/347 V, 480 V
Rated impulse withstand voltage (Uimp) at main contacts       8000 V         Rated operational current       300 A (380/400 V AC-1, making and breaking capacity) 300 A (415 V AC-1, making and breaking capacity)         Instantaneous current setting (Ii) - min       380 A         Instantaneous current setting (Ii) - max       630 A         Overload current setting (Ir) - max       630 A         Overload current setting (Ir) - max       630 A         Short delay current setting (Isd) - min       Mathematical Contents	Rated insulation voltage (Ui)	690 V AC
Rated operational current300 A (380/400 V AC-1, making and breaking capacity) 300 A (415 V AC-1, making and breaking capacity) 300 A (415 V AC-1, making and breaking capacity)Instantaneous current setting (li) - max380 AOverload current setting (lr) - max630 AOverload current setting (lr) - max63 AShort delay current setting (lsd) - min64	Rated impulse withstand voltage (Uimp) at auxiliary contacts	6000 V
Instantaneous current setting (li) - min     300 A (415 V AC-1, making and breaking capacity)       Instantaneous current setting (li) - max     380 A       Overload current setting (lr) - min     600 A       Overload current setting (lr) - max     600 A       Short delay current setting (lsd) - min     600 A	Rated impulse withstand voltage (Uimp) at main contacts	8000 V
Instantaneous current setting (li) - max     630 A       Overload current setting (lr) - min     50 A       Overload current setting (lr) - max     63 A       Short delay current setting (lsd) - min     0 A	Rated operational current	
Overload current setting (Ir) - min     50 A       Overload current setting (Ir) - max     63 A       Short delay current setting (Isd) - min     0 A	Instantaneous current setting (li) - min	380 A
Overload current setting (Ir) - max     63 A       Short delay current setting (Isd) - min     0 A	Instantaneous current setting (li) - max	630 A
Short delay current setting (Isd) - min	Overload current setting (Ir) - min	50 A
	Overload current setting (Ir) - max	63 A
Short delay current setting (Isd) - max 0 A	Short delay current setting (Isd) - min	0 A
	Short delay current setting (Isd) - max	0 A

Base stroke indexes non-derived setting - max         60.4           Based stroke indexes indexed setting - max         81.4           Based stroke indexes indexed setting - max         81.4           Based stroke indexes indexed indexes indexed (index) = 40.0003 (VS 500 Intexes indexes indexes indexed indexes indexes indexed (indexes indexes index	Short-circuit release non-delayed setting - min	378 A
Read share stream brawing capacity its INC-DR SM01 at M0115 V.5000 its Read share stream brains gazaby must 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream str		
Read share stream brawing capacity its INC-DR SM01 at M0115 V.5000 its Read share stream brains gazaby must 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream stream gazaby them 2004 DN SM0 its Read share stream str	, , ,	
Read dot cites threading capacity is (NECEN GINP) is 40 V 5000 Pc     ISS A       Read dot cites in threading capacity is an 240 V, NNR 10     SSA       Read dot cites in threading capacity is an 240 V, NNR 10     SSA       Read dot cites in threading capacity is an 240 V, NNR 10     SSA       State dot cites in threading capacity is an 240 V, NNR 10     SSA       State dot cites in threading capacity is an 240 V, NNR 10     SSA       Description of the settine     Come       Is output of the settine     Come       State dot cites in threading setting is an 240 V, NNR 10     State A       Description of the settine     Come Capacity is an 240 V, NNR 10       Description of the setting is an 240 V, NNR 10     State A       Number of space from is an 240 V, NNR 10     State A       Number of space from is an 240 V, NNR 10     State A       Number of space from is an 240 V, NNR 10     NR 1000 V, NR 10, NR 10, NR 10, NR 10,		
Red dotr circuit making capacity (cm at 40, 5050 to         S114           Band dotr circuit making capacity (cm at 40, 5050 to         S114           Elever circuit making capacity (cm at 40, 5050 to         S124 construct making capacity (cm at 40, 5050 to           Elever circuit making capacity (cm at 40, 5050 to         S124 construct making capacity (cm at 40, 5050 to           Elever circuit making capacity (cm at 40, 5050 to         S124 construct making (cm at 40, 5050 to           Manda dog capacity (cm at 40, 5050 to         S124 construct making (cm at 40, 5050 to           Manda dog capacity (cm at 40, 5050 to         S124 construct making (cm at 40, 5050 to           Manda dog capacity (cm at 40, 5050 to         S124 construct making (cm at 40, 5050 to           Performance (cm at 40, 5050 to (cm at 40, 50		18.5 kA
Red dot         S1A           Band dot         S1A		63 kA
Starteirautual leadine     Image: Control (Control (Contro) (Contro		
Shrietirati tabi kratime        Low-origination (in the intervent of the	• • •	53 kA
Bedrical cannection type of main circuit         Screw connection           Mainte of ogenations per four - max         300 V.C. (however is adapting contracts)           Handle type         200 V.C. (however is adapting contracts)           Over contracts         300 V.C. (however is adapting contracts)           Utilization contracts         300 V.C. (however is adapting contracts)           Over contracts or contracts         300 V.C. (however is adapting contracts)           Over contracts or contracts         300 V.C. (however is adapting contracts)           Over contracts or contracts         300 V.C. (however is adapting contracts)           Over contracts or contracts         300 V.C. (however is adapting contracts)           Detection of inconting supply         300 V.C. (however is adapting contracts)           Technical Data - Mechanical         300 V.C. (however is adapting contracts)           Degree of protection (IP), hort side         300 V.C. (however is adapting contracts)           Degree of protection (IP), hort side         300 V.C. (however is adapting contracts)           PD (buint contracts)         300 V.C. (however is adapting contracts)           Degree of protection (IP), hort side         300 V.C. (however is adapting contracts)           PD (buint contracts)         300 V.C. (however is adapting contracts)           PD (buint contracts)         300 V.C. (however is adapting contracts)		< 10 ms
Istalation         Set VAL Decrements analizing contracted           Number of aperations per hour - max         123           Decoroltage category         110           Overoottage category         111           Polithond organ         111           Technical Data - Mechanical         23           Munting Method         23           Degree of protection         2500 operations at 05V AC-1           Degree of protection         240 minute of the continge opphy           Degree of protection         1110           Degree of protection         1110           Degree of protection         1110           Degree of protection (IP): hort ide         1100           Degree of protection (IP): hort ide         1100           Degree of protection (IP): hort ide         1100           Degre of oracctarge (Inc): Inc): Inc): Inc): Inc): Inc): Inc	Low-voltage HBC fuse - max	355 A gG/gL
Soutic of aperations per hour - max         SOU 4.2 (between auxiliary contracts and main contracts)           Hundle type         Backer lever           Hundle type         A HECHY 055-2;           Utilization cataginy         A HECHY 055-2;           Dorwentage cataginy         A HECHY 055-2;           Dorwentage cataginy         A HECHY 055-2;           Difference         Stot operations at 115 VAC-3           Munding Mathod         Difference           Munding Mathod         Difference           Degree of protection         Physics degree of protection, in the operating contracts area).           Degree of protection (IPI, front side         PBD batch degree of protection a strip terminal           Pogree of protection terminationa)         PDD batch degree of protection terminal           Pogree of protection terminationa)         PDD batch degree of protection terminationa           PD batch degree of protection terminationa)         PDD batch degree of protection terminationa           PD batch degree of protection terminationa)         PDD batch degree of protection terminationa           PD batch of protection terminationa)         PDD batch degree of protection terminationa	Electrical connection type of main circuit	Screw connection
Handle type     Rocker ierer       Utilisation category     AIEC/FVI UBS-7/2       Deversibles category     III       Paludon degree     3       Linescan, electrical     SBR Operations at 415 V AC-3 700 Operations at 400 V AC-3 700 Operations of aution resources 700 Operations of protection. In the operating controls area) 700 Operations of protection IB/FIL Aution operating controls area) 700 Operations of protection IB/FIL Aution operating controls area) 700 Operations of protection IB/FIL Aution Aution operating controls area) 700 Operations of aution resources 700 Operations of aution resources of aution and aution resources 700 Operations of aution resources of aution resources of aution resources 700 Operations of aution resources of aution resources of aution resources 700 Operations of aution resources of aution resources of aution resources 700 Operations of	Isolation	
Utilization category         Image: Section 2010	Number of operations per hour - max	120
Derivatinger stagary     III       Polition stegres     3       Litespan, electrical     3       Direction of incoming supply     Ac required       Technical Data     Bittich device final huik-in technique       Direction of incoming supply     Bittich device final huik-in technique       Degree of protection in Phy hort side     Bittich device final huik-in technique       Degree of protection in Phy hort side     Bittich device final huik-in technique       Degree of protection in Phy hort side     Bittich device final huik-in technique       Degree of protection in Phy fort side     Bittich device final huik-in technique       Degree of protection in the operating controls area)     Bittich device final huik-in technique       Degree of protection in the operating controls area)     Bittich device final huik-in technique       Degree of protection in the operating controls area)     Bittich device final huik-in technique       Degree of protection in the operating controls area)     Bittich device final huik-in technique       Polition of connection final huik-in technique     Bittich device final huik-in technique       Polition of connection final huik-in technique     Bittich device final huik-in technique       Polition of connection final huik-in technique     Bittich device final huik-in technique       Polition of connection final huik-in technique     Bittich device final huik-in technique       Polition of connection final huik-in tech	Handle type	Rocker lever
Pullation degree     3       Lifespan, electrical     600 persions at 40 V AC-1       Direction of incoming supply     A required       Technical Data - Mechanical     Employed persions at 40 V AC-1       Musting Method     Employed persions at 40 V AC-1       Direction of incoming supply     Employed persions at 40 V AC-1       Musting Method     Employed persions at 40 V AC-1       Direction of protection.     Employed persions at 40 V AC-1       Direction of protection.     Employed persion of a 400 V AC-1       Direction of protection.     Employed persion of a 400 V AC-1       Degree of protection.     IP20 (besc degree of protection. in the sourciting controls area)       Degree of protection (PL, front side     IP20 (besc degree of protection at 400 V AC-1)       Degree of protection (PL, front side     IP20 (besc degree of protection.       Protection against direct contact     IP20 (besc degree of protection.       Stock features     0       Number of auxiliary contacts (homale) common     20 (bit hierard bit and bit contact)       Number of auxiliary contacts (homale) common     IP20 (besc degree of protection.       Number of auxiliary contacts (homale) common     IP20 (besc degree of protection.       Number of auxiliary contacts (homale) common     IP20 (besc degree of protection.       Special features     IP20 (besc degree of protection.       Special features <t< td=""><td>Utilization category</td><td>A (IEC/EN 60947-2)</td></t<>	Utilization category	A (IEC/EN 60947-2)
Lifegap, electrical     500 operations at 45 V AC3       Direction of incoming supply     A required       Technical Data - Mechanical     Built device fixed built-in technique       Murning Method     Built device fixed built-in technique       Dagree of protection     Built device fixed built-in technique       Dagree of protection (P); front side     Protection (P); front side       Dagree of protection (P); front side     Protection (P); front side       Protection against direct contact:     Finder and built-in technique       Shack resistion     Built-in adult of protection (P); front side       Number of auxility contacts (change-over contacts)     O       Number of auxility contacts (change-over contacts)     O       Number of auxility contacts (change-over contacts)     O       Postetion formain current circuit     First side       Direction (P); front side     O       Direction (P); front side     O       Number of auxility contacts (change-over contacts)     O       Number of auxility contacts (front promoting contacts)     O       Postetion contacts     O       Postetion contacts (D represented contact)     O       Postetion contacts     O       Postetion contacts (D represented contact)     O       Postetion contacts     O       Postetion contacts     Dire interestion (P)       Post	Overvoltage category	
Direction incoming supply     P300 permission at 400 V AC-1       Direction incoming supply     As required       Actinical Data - Mechanical     Bitk in device face bulk in technique Bitk in device face bulk in technique PAD depres of protection (PI), front ade       Degree of protection (PI), front ade     P20 (back degree of protection, in the operating controls area) (P20 (back degree of protection (PI), front ade       Degree of protection (PI), front ade     P400 (back degree of protection, in the operating controls area) (P20 (back degree of protection (PI), front ade       Degree of protection (PI), front ade     P400 (back degree of protection, in the operating controls area) (P20 (back degree of protection), in the operating controls area)       Protection against direct contact     Finger and back-of-hand proof to DIN EN 5027(AVDE 0106 part 110       Shock resistance     P00 (back degree of protection), in the operating control (back degree of protection), in the oper	Pollution degree	3
Technical Data - Mechanical         Meaning Method         Balk in device fixed built in technique Division of available.         Built in device fixed built in technique Division of available.           Degree of protection (IP), front aide         IP30 (solit degree of protection, in the operating controls areal) (P30)           Degree of protection (IP), front aide         IP30 (solit degree of protection, in the operating controls areal) (P30)           Degree of protection (IP), front aide         IP30 (solit degree of protection, in the operating controls areal) (P30)           Degree of protection (Irrimitons)         IP30 (solit degree of protection, in the operating controls areal) (P30)           Protection against direct contact         IP30 (solit degree of protection (Irrimitons))           Protection against direct contact         IP30 (solit degree of protection (Irrimitons))           Number of availary contracts (change-sover contacts)         0           Number of availary contracts (fromally open contracts)         0           Number of availary contracts (fromally open contracts)         0           Robit of cannection for main current circuit         Damp heat, cyclic, to IEC 20088-2-30 Damp heat, c		7500 operations at 400 V AC-1
Mounting Method         Bellt-in device fixed built-in technique DN rait top hit rait) mounting optional Fixed           Degree of protection         P20 (basic degree of protection, in the operating controls areal P20 (basic degree of protection, in the operating controls areal P20 (basic degree of protection, in the operating controls areal P20 (basic degree of protection, in the operating controls areal P20 (basic degree of protection, in the operating controls areal P20 (basic degree of protection, in the operating controls areal P20 (basic degree of protection, in the operating controls areal P20 (basic degree of protection, in the operating controls of part P20 (basic degree of protection, in the operating controls of part P20 (basic degree of protection, in the operating control of part P20 (basic degree of protection)           Protection against direct contact         P20 (basic degree of protection)           Number of axuality contacts (home-over contacts)         0           Number of axuality contacts (normally concontacts)         0           Position of connection for main current circuit         0           Dimain contact (normally concontacts)         0           Duran beat, cyclic, to IEC 0008-2-30 Damp heat, cyclic, to IEC 0008-2-378           Special features         2000 (sperations)           Utegreen, mechanical         2000 (sperations)           Terminal capacity (scoper hyperature)         2000 (sperations)           Utegreen, mechanical         2000 (sperations)           Utegreen, mechanical         10 mm <sup>2</sup> (k) at turnel terminal	Direction of incoming supply	As required
Image: Section of protection     DN rail (bp hat rail mounting optional Faced       Degree of protection (IP), front side     P29 (basic degree of protection, in the operating controls area)       Degree of protection (IP), front side     P29 (basic degree of protection, in the operating controls area)       Degree of protection (IP), front side     P29 (basic degree of protection, in the operating controls area)       Protection against direct contact     P20 (basic degree of protection), phase isolator and strip terminal)       Protection against direct contact     Page of protection (IP), front side       Number of auxiliary contacts (chomaly open contacts)     P20 (basic degree of protection), phase isolator and strip terminal)       Number of auxiliary contacts (normaly open contacts)     P20 (basic degree of protection), phase isolator and strip terminal)       Officiantic proofing     P20 (basic degree of protection), phase isolator and strip terminal)       Pastion of connection for main current circuit     Pastion of connection for main current circuit       Climatic proofing     Pastion of connection for main current circuit       Special features     Pastion of connection for main current circuit       Velaguam, mechanical     P20     Front side       Terminal capacity (control cable)     P20     Pastion of connection for main current circuit       Iterative proof pastion of the circuit tropper of the cir	Technical Data - Mechanical	
Pagree of protection (IP), front side         IP20           Degree of protection (IP), front side         IP20 (with doc couping rotary handle)           P40 (with insulating surround)         IP40 (with insulating surround)           Protection against direct contact         IP40 (with insulating surround)           Shock resistance         IP40 (with insulating surround)           Number of auxiliary contacts (hange-over contacts)         0           Number of auxiliary contacts (normally closed contacts)         0           Number of auxiliary contacts (normally closed contacts)         0           Position of connection for main current circuit         0           Dimar beak, cyclic, to IEC 00088-20         Damp heak, cyclic, to IEC 00088-20           Special features         Maximum back-up fase, if the expected short-circuit currents at the installation location exceed the switching capacity (the) memorited in the rating plate. Adjustable overload roleases Ir           Lifespar, mechanical         IEEE Source of the rating capacity (contact cable)           Terminal capacity (contor cable)         IEEE Source of the rating capacity (contact cable)           Terminal capacity (contor cable)         IEEE Source of the rating capacity (contact cable)           Terminal capacity (cooper bushar)         IEEE Source of the rating capacity (contact cable)           Terminal capacity (cooper bushar)         IEEE Soure of the ration of connection for maing capacity (	Mounting Method	DIN rail (top hat rail) mounting optional
Degree of protection (terminations)       IP40 (with insulating surround)         Protection against direct contact       IP40 (terminations, phase isolator and strip terminal)         Protection against direct contact       IP40 (terminations, phase isolator and strip terminal)         Shock resistance       0         Number of auxiliary contacts (change-over contacts)       0         Number of auxiliary contacts (normally closed contacts)       0         Postion of connection for main current circuit       IP40 (terminations, the second phase)         Climatic proofing       IP40 (terminations)         Special features       IP40 (terminations)         Special features       IP40 (terminations)         Technical Data - Mechanical - Terminals       IP40 (terminations)         Terminal capacity (control cable)       IP40 (terminations)         Terminal capacity (cooper strind)       IP40 (terminations)         Terminal capacity (cooper strind)       IP40 (terminatins)         Standard termin	Degree of protection	
Protection against direct contact       IP10 (cunnel terminal)         Protection against direct contact       Finger and back-of-hand proof to DIN EN 50274/VDE D106 part 110         Shock resistance       20 ( half-sinusoid shock 20 ms)         Number of auxiliary contacts (hange-over contacts)       0         Number of auxiliary contacts (normally closed contacts)       0         Position of connection for main current circuit       0         Climatic proofing       Front side         Special features       Position of connection for main current circuit         Lifespan, mechanical       Position of connection for main current circuit         Lifespan, mechanical       Position account were from the account the raine of the result back of the resu	Degree of protection (IP), front side	
Shock resistance       20 g (half-sinuscidal shock 20 ms)         Number of auxiliary contacts (change-over contacts)       0         Number of auxiliary contacts (normally closed contacts)       0         Number of auxiliary contacts (normally open contacts)       0         Position of connection for main current circuit       0         Climatic proofing       Front side         Special features       Damp heat, contact, (normal to current sat the installation location exceed the switching capacity of the circuit torrents at the installation location exceed the switching capacity (normatic urrent sat the installation previous to the circuit torrents at the installation location exceed the switching capacity (normatic urrent sat)         Technical Data - Mechanical - Terminals       2000 operations         Standard terminals       Screw terminal         Terminal capacity (control cable)       If mm <sup>2</sup> + 18 mm <sup>2</sup> (2x)         Terminal capacity (copper solid conductor/cable)       If mm <sup>2</sup> + 18 mm <sup>2</sup> (1x)         Terminal capacity (copper solid conductor/cable)       If mm <sup>2</sup> + 18 mm <sup>2</sup> (1x)         Terminal capacity (copper stranded conductor/cable)       If mm <sup>2</sup> + 18 mm <sup>2</sup> (1x)         Terminal capacity (copper stranded conductor/cable)       If mm <sup>2</sup> + 18 mm <sup>2</sup> (2x)         Terminal capacity (copper stranded conductor/cable)       If mm <sup>2</sup> + 13 mm <sup>2</sup> (1x) at turnel terminal         Terminal capacity (copper stranded conductor/cable)       If mm <sup>2</sup> + 30 mm	Degree of protection (terminations)	
Number of auxiliary contacts (change-over contacts)       Image: Contacts (change-over contacts)         Number of auxiliary contacts (normally closed contacts)       Image: Contacts (control contacts)         Position of connection for main current circuit       Image: Contacts (control contacts)         Climatic proofing       Image: Contacts (control contacts)         Special features       Image: Contacts (control contacts)         Special features       Image: Contact (control contacts)         Lifespan, mechanical       Image: Contact (control contacts)         Terminal capacity (control cable)       Image: Contact (control contact)         Terminal capacity (copper stranded conductor/cable)       Image: Contact (control contact)         Terminal capacity (copper stranded conductor/cable)       Image: Contact (control contact)         Terminal capacity (copper stranded conductor/cable)       Image: Contact (control contact contact)         Terminal capacity (copper stranded conductor/cable)       Image: Contact (control contact)         Terminal capacity (copper stranded conductor/cable)       Image: Contact (control contact)         Terminal capacity (copper stranded conductor/cable)       Image: Contact (control contact)         Terminal capacity (copper stranded conductor/cable)       Image: Contact (copper stranded conductor/cable)         Terminal capacity (copper stranded conductor/cable)       Image: Contact (copper stranded conductor/cable) <td>Protection against direct contact</td> <td>Finger and back-of-hand proof to DIN EN 50274/VDE 0106 part 110</td>	Protection against direct contact	Finger and back-of-hand proof to DIN EN 50274/VDE 0106 part 110
Number of auxiliary contacts (normally closed contacts)       Image: Contacts (normally closed contacts)       Image: Contacts (normally closed contacts)         Position of connection for main current circuit       Image: Contacts (normally closed contacts)       Image: Contacts (normally closed contacts)         Climatic proofing       Damp heat, constant, to IEC 60088-2-30 Damp heat, constant, to IEC 60088-2-30         Special features       Maximum back-up fuse, if the expected short-circuit breaker (Rated short-circuit breaker (Rated short-circuit breaker) (separation of the circuit breaker (Rated short-circuit breaking capacity (ref))         Lifespan, mechanical       Image: Contact (Contact (Contact Contact (Contact (Con	Shock resistance	20 g (half-sinusoidal shock 20 ms)
Number of auxiliary contacts (normally open contacts)       Image: Contact (Contact)         Position of connection for main current circuit       Image: Contact (Contact)         Climatic proofing       Damp heat, cyclic, to IEC 60068-2-30 Damp heat, cyclic, to IEC 60068-2-78         Special features       Maximum back-up fuse, if the expected short-circuit currents at the installation location acceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity) [cn]         Lifespan, mechanical       Maximum back-up fuse, if the expected short-circuit breaking capacity cont         Technical Data - Mechanical - Terminals       Maximum back up fuse, if the expected short-circuit breaking capacity (control cable)         Terminal capacity (control cable)       Maximum back up fuse, if the expected short-circuit breaking capacity (control cable)         Terminal capacity (control cable)       Maximum back up fuse, if the expected short-circuit breaking capacity (control cable)         Terminal capacity (control cable)       Maximum back up fuse, if the expected short-circuit fuse, if the expected short-circuit breaking capacity (copper busbar)         Terminal capacity (copper solid conductor/cable)       Maximum back up fuse, if the expected short-circuit fuse, if the expected short-circuit fuse, if the expected short-circuit fuse, if the max is a municit at switch rear-side connection Max 10 segments of 16 mm x 0.8 mm at rear-side connection fuse, if mm x 0.8 mm at box terminal         Terminal capacity (copper strip)       Max 10 segments of 16 mm x 0.8 mm at box terminal <td>Number of auxiliary contacts (change-over contacts)</td> <td>0</td>	Number of auxiliary contacts (change-over contacts)	0
Position of connection for main current circuit       Front side         Climatic proofing       Damp heat, cyclic, to IEC 60068-2-30         Special features       Damp heat, constant, to IEC 60068-2-78         Maximum back-up fuse, if the expected short-circuit breaker (Rated short-circuit breaker) (Rated short-circuit Rated short-circuit breaker) (Rated short-circuit breaker	Number of auxiliary contacts (normally closed contacts)	0
Climatic proofing       Damp heat, cyclic, to IEC 60068-2-30         Special features       Damp heat, constant, to IEC 60068-2-78         Maximum back-up fuse, if the expected short-circuit currents at the installation location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn)         Rated current - rated uninterrupted current: 63 A switches conform to UL/CSA as well as the IEC regulations. IEC switching particular values are contained on the rating plate.         Lifespan, mechanical       20000 operations         Technical Data - Mechanical - Terminals       20000 operations         Standard terminals       16 mm² · 18 mm² (2x)         Terminal capacity (control cable)       16 mm² · 18 mm² (1x)         Terminal capacity (copper busbar)       Max intera-side connection Max. 20 mm x 5 mm direct at switch rear-side connection Max. 20 mm x 5 mm direct at switch rear-side connection Max. 20 mm x 5 mm direct at switch rear-side connection 16 mm² (1x) at turnel terminal         Terminal capacity (copper solid conductor/cable)       6 mm² · 11 mm² (1x) direct at switch rear-side connection Max. 20 mm x 5 mm direct at switch rear-side connection 16 mm² (1x) at tox terminal         Terminal capacity (copper solid conductor/cable)       6 mm² · 12 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tox terminal         Terminal capacity (copper stranded conductor/cable)       6 mm² · 12 mm² (1x) at tox terminal         Terminal capacity (copper stranded conductor/cable)       6 mm² · 12 mm² (1x) at tox terminal	Number of auxiliary contacts (normally open contacts)	0
Special features       Damp heat, constant, to IEC 60068-2-78         Special features       Maximum back-up fuse, if the expected short-circuit currents at the installation location acced the switching capacity of the circuit breaker (Rated short-circuit breaking capacity (cn))         Rated current = rated uninterrupted current: 63 A Switches conform to U/CSA as well as the IEC regulations. IEC switching pater. Adjustable overload releases Ir         Lifespan, mechanical       20000 operations         Technical Data - Mechanical - Terminals       20000 operations         Standard terminals       55 crew terminal         Terminal capacity (control cable)       16 mm <sup>2</sup> - 18 mm <sup>2</sup> (2x) 14 mm <sup>2</sup> - 18 mm <sup>2</sup> (2x) 14 mm <sup>2</sup> - 18 mm <sup>2</sup> (1x)         Terminal capacity (copper busbar)       16 mm <sup>2</sup> - 18 mm <sup>2</sup> (1x) at tunnel terminal         Terminal capacity (copper solid conductor/cable)       16 mm <sup>2</sup> - 12 mm <sup>2</sup> (1x) at tunnel terminal         Terminal capacity (copper solid conductor/cable)       16 mm <sup>2</sup> - 12 mm <sup>2</sup> (1x) at tunnel terminal         Terminal capacity (copper solid conductor/cable)       16 mm <sup>2</sup> - 12 mm <sup>2</sup> (1x) at tunnel terminal         Terminal capacity (copper solid conductor/cable)       16 mm <sup>2</sup> - 12 mm <sup>2</sup> (1x) at tunnel terminal         Terminal capacity (copper stranded conductor/cable)       16 mm <sup>2</sup> - 30 mm <sup>2</sup> (1x) at tunnel terminal         Terminal capacity (copper stranded conductor/cable)       16 mm <sup>2</sup> - 30 mm <sup>2</sup> (1x) at tunnel terminal         Terminal capacity (copper stranded conduc	Position of connection for main current circuit	Front side
Intermediate </td <td></td> <td></td>		
Technical Data - Mechanical - TerminalsStandard terminalsTerminal capacity (control cable)Terminal capacity (control cable)Terminal capacity (aluminum solid conductor/cable)Terminal capacity (aluminum solid conductor/cable)Terminal capacity (copper busbar)Terminal capacity (copper solid conductor/cable)Terminal capacity (copper stranded conductor/cable)Terminal capacity (copper strip)Max. 10 segments of 16 mm x 0.8 mm at tear-side connection (punched) Max. 10 segments of 16 mm x 0.8 mm at box terminalMax. 10 segments of 16 mm x 0.8 mm at box terminal	Special features	location exceed the switching capacity of the circuit breaker (Rated short-circuit breaking capacity Icn) Rated current = rated uninterrupted current: 63 A Switches conform to UL/CSA as well as the IEC regulations. IEC switching performance values are contained on the rating plate.
Standard terminals       Screw terminal         Terminal capacity (control cable)       16 mm² - 18 mm² (2x) 14 mm² - 18 mm² (1x)         Terminal capacity (aluminum solid conductor/cable)       16 mm² (1x) at tunnel terminal         Terminal capacity (copper busbar)       M8 at rear-side screw connection Max. 20 mm x 5 mm direct at switch rear-side connection Max. 20 mm x 5 mm direct at switch rear-side connection         Terminal capacity (copper solid conductor/cable)       6 mm² - 12 mm² (1x) at tox terminal 6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal         Terminal capacity (copper stranded conductor/cable)       4 mm² - 30 mm² (1x) at tox terminal 4 mm² - 350 mm² (1x) at tox terminal 4 mm² - 350 mm² (1x) at tunnel terminal         Terminal capacity (copper stranded conductor/cable)       Max. 10 segments of 16 mm x 0.8 mm at rear-side connection (punched) Max. 10 segments of 16 mm x 0.8 mm at box terminal Min. 2 segments of 16 mm x 0.8 mm at box terminal	Lifespan, mechanical	20000 operations
Terminal capacity (control cable)16 mm² - 18 mm² (2x) 14 mm² - 18 mm² (1x)Terminal capacity (aluminum solid conductor/cable)16 mm² (1x) at tunnel terminalTerminal capacity (copper busbar)16 mm² (1x) at tunnel terminalTerminal capacity (copper solid conductor/cable)M8 at rear-side screw connection Min. 16 mm x 5 mm direct at switch rear-side connection Max. 20 mm x 5 mm direct at switch rear-side connection 16 mm² (1x) at tunnel terminalTerminal capacity (copper solid conductor/cable)6 mm² - 12 mm² (1x) at box terminal 6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminalTerminal capacity (copper stranded conductor/cable)4 mm² - 300 mm² (1x) at tunnel terminal 4 mm² - 350 mm² (1x) at tunnel terminal 4 mm² - 350 mm² (1x) at tunnel terminal Max. 10 segments of 16 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal	Technical Data - Mechanical - Terminals	
It has a second secon	Standard terminals	Screw terminal
Terminal capacity (copper busbar)M8 at rear-side screw connection Min. 16 mm x 5 mm direct at switch rear-side connection Max. 20 mm x 5 mm direct at switch rear-side connectionTerminal capacity (copper solid conductor/cable)6 mm² - 12 mm² (1x) at box terminal 6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at unel terminalTerminal capacity (copper stranded conductor/cable)4 mm² - 3/0 mm² (1x) direct at switch rear-side connection 4 mm² - 350 mm² (1x) at box terminal 4 mm² - 350 mm² (1x) at box terminalTerminal capacity (copper strip)Max. 10 segments of 16 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal	Terminal capacity (control cable)	
Min. 16 mm x 5 mm direct at switch rear-side connection Max. 20 mm x 5 mm direct at switch rear-side connectionTerminal capacity (copper solid conductor/cable)6 mm² - 12 mm² (1x) at box terminal 6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminalTerminal capacity (copper stranded conductor/cable)4 mm² - 3/0 mm² (1x) direct at switch rear-side connection 4 mm² - 350 mm² (1x) at tunnel terminalTerminal capacity (copper strip)6 mm² (1x) at tunnel terminalTerminal capacity (copper strip)Max. 10 segments of 16 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal	Terminal capacity (aluminum solid conductor/cable)	16 mm <sup>2</sup> (1x) at tunnel terminal
6 mm² - 11 mm² (1x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal         Terminal capacity (copper stranded conductor/cable)       4 mm² - 3/0 mm² (1x) direct at switch rear-side connection 4 mm² - 350 mm² (1x) at box terminal 4 mm² - 350 mm² (1x) at tunnel terminal         Terminal capacity (copper strip)       Max. 10 segments of 16 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal	Terminal capacity (copper busbar)	Min. 16 mm x 5 mm direct at switch rear-side connection
4 mm² - 350 mm² (1x) at box terminal         4 mm² - 350 mm² (1x) at tunnel terminal         Terminal capacity (copper strip)         Max. 10 segments of 16 mm x 0.8 mm at rear-side connection (punched)         Max. 10 segments of 16 mm x 0.8 mm at box terminal         Min. 2 segments of 9 mm x 0.8 mm at box terminal	Terminal capacity (copper solid conductor/cable)	6 mm <sup>2</sup> - 11 mm <sup>2</sup> (1x) direct at switch rear-side connection
Max. 10 segments of 16 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal	Terminal capacity (copper stranded conductor/cable)	4 mm <sup>2</sup> - 350 mm <sup>2</sup> (1x) at box terminal
Will, Z Sedements of the model and a real-side connection (numerical	Terminal capacity (copper strip)	Max. 10 segments of 16 mm x 0.8 mm at box terminal Min. 2 segments of 9 mm x 0.8 mm at box terminal

Design verification as per IEC/EN 61439 - technical data		
Rated operational current for specified heat dissipation (In)	63 A	
Equipment heat dissipation, current-dependent	20.24 W	
Ambient operating temperature - min	-25 °C	
Ambient operating temperature - max	70 °C	
Ambient storage temperature - min	40 °C	
Ambient storage temperature - max	70 °C	
Design verification as per IEC/EN 61439		
10.2.2 Corrosion resistance	Meets the product stand	ard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product stand	ard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product stand	ard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product stand	ard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product stand	ard's requirements.
10.2.5 Lifting	Does not apply, since the	e entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the	e entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product stand	ard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the	e entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product stand	ard's requirements.
10.5 Protection against electric shock	Does not apply, since the	e entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the	e entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's res	ponsibility.
10.8 Connections for external conductors	Is the panel builder's res	ponsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's res	ponsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's res	ponsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's res	ponsibility.
10.10 Temperature rise	The panel builder is resp provide heat dissipation	onsible for the temperature rise calculation. Eaton will data for the devices.
10.11 Short-circuit rating	Is the panel builder's res observed.	ponsibility. The specifications for the switchgear must be
10.12 Electromagnetic compatibility	Is the panel builder's res observed.	ponsibility. The specifications for the switchgear must be
10.13 Mechanical function	The device meets the red leaflet (IL) is observed.	quirements, provided the information in the instruction
Additional information		
Functions	System and cable protec Current limiting circuit br	

## **Technical data ETIM 9.0**

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@ss13-27-37-04-09 [AJZ716018])

Rated permanent current lu	А	63
Rated voltage	V	440 - 440
Rated short-circuit breaking capacity Icu at 400 V, 50 Hz	kA	25
Overload release current setting	А	50 - 63
Adjustment range short-term delayed short-circuit release	А	0 - 0
Adjustment range undelayed short-circuit release	А	380 - 630
Power loss	W	20.2
Device construction		Built-in device fixed built-in technique
Integrated earth fault protection		No
Type of electrical connection of main circuit		Screw connection
Suitable for DIN rail (top hat rail) mounting		No
DIN rail (top hat rail) mounting optional		Yes
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		0
With switched-off indicator		No

With integrated under voltage release	No
Number of poles	3
Position of connection for main current circuit	Front side
Type of control element	Rocker lever
Complete device with protection unit	Yes
Motor drive integrated	No
Motor drive optional	Yes
Degree of protection (IP)	IP20