Miniature circuit breaker (MCB), 50 A, 3p, characteristic: C



Part no. PL7-C50/3 263414

Notitage type Rated operational voltage (Ue) - max Rated insulation voltage (Ui) Rated insulation voltage (Uimp) Rated impulse withstand voltage (Uimp) Frequency rating - min Frequency rating - max Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (IEN 60898) at 230 V Rated short-circuit breaking capacity (IEN 60898) at 230 V Rated short-circuit breaking capacity (IEN 60898) at 230 V Rated short-circuit breaking capacity (IEN 60898) at 230 V Rated short-circuit breaking capacity (IEN 60898) at 230 V Rated short-circuit breaking capacity (IEN 60894-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rovervoltage category Pollution degree Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min	General specifications	
EAM	Product name	Eaton Moeller series xPole - PL7 MCB
EAM	Part no.	PL7-C50/3
Product visight SZ millimetre Product visight SZ millimetre Product visight SZ millimetre SZ millimetre Product visight SZ millimetre Product visight SZ millimetre Product visight Prod	EAN	
Product visight SZ millimetre Product visight SZ millimetre Product visight SZ millimetre SZ millimetre Product visight SZ millimetre Product visight SZ millimetre Product visight Prod	Product Length/Depth	71 millimetre
Product voidh \$2.8 millimater Product voight 0.38 kilogrum Compliances RRS Souffram Product Tradurame xPole - PL7 Product Tradurame MCB Product Tradurame Sweetagear for residential and commercial applications Application Sweetagear for residential and commercial applications Number of poles (producted) 3 Number of poles (producted) 3 Product Tradurame C Release characterisdic C Call Product Traducterisdic C Release characterisdic C Release characterisdic C Release characterisdic AC Release characterisdic production (long traduction) MC Release characterisdic production (limp) 40 Product po		82 millimetre
Product Taylearmen MORS Product Sub Type Product Sub Type MORS Product Sub Type Product Sub Type Product Sub Type MORS Product Sub Type Product Sub Type Product Sub Type MORS Product Sub Type Produ		
Product Taylearmen MORS Product Sub Type Product Sub Type MORS Product Sub Type Product Sub Type Product Sub Type MORS Product Sub Type Product Sub Type Product Sub Type MORS Product Sub Type Produ	Product weight	0.36 kilogram
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Product Type Product Sub Type Delivery program Application Appli		
Product Sub Type Delivery program Application Application Application Application Number of poles Number of poles foration Number of poles foration Number of poles (protected) 3 Tree-pole Number of poles (protected) 3 Tree-pole Application Number of poles (protected) 3 Tree-pole Ambrary poles Area (protected) Tripping characteristic C Amprarya Rating So A Ministure circuit breaker Programs Type Application	Product Type	
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Application Number of poles Number of poles (prote) Number of poles		
Number of poles xPole Sowichiquear for readential and commercial applications Number of poles (total) 3 Number of poles (protected) 3 Finging characteristic C Release characteristics 50 A Amperage Rating 50 A Typo Ministure circuit breaker Protected Technical Data - Electrical AC Valiage type AC Reted operational voltage (Ue) - max 400 V Rated ingulse virthatand voltage (Ui) - max 400 V Rated simpluse virthatand voltage (Uim) 41 V Fraquency rating - min 50 Hz Fraquency rating - min 10 LA Rated short-circuit breaking capacity (IEC DN 80988) at 250 V 10 LA Rated short-circuit breaking capacity (IEC S0898-1) 10 LA Rated short-circuit breaking capacity (IEC 80898-2) at 400 V 0 LA Rated short-circuit breaking capacity (IEC 80898-2) at 250 V 10 LA Rated short-circuit breaking capacity (IEC 80897-2) at 250 V 0 LA Rated short-circuit breaking capacity (IEC 80897-2) at 250 V 0 LA Willian in mamment of modular spacings 3 <t< td=""><td></td><td>Switchgear for residential and commercial applications</td></t<>		Switchgear for residential and commercial applications
Number of poles (total) Number of poles (potatected) Triping characteristic C Amperage Riting Type Release characteristic Amperage Riting Type Technical Data - Electrical Voltage type AC Rated operational voltage (Uel - max Rated insulation voltage (Uel - max Anale disputa withstand voltage (Uil - max Rated insulation voltage (Uil - max Rated short-circuit treaking capacity (EC 80898) at 230 V Rated short-circuit treaking capacity (EC 80898) at 400 V Rated short-circuit treaking capacity (EC 80894 -2) at 230 V Rated short-circuit treaking capacity (EC 80847-2) at 230 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847-2) at 240 V Rated short-circuit treaking capacity (EC 80847	, фр. подаба	
Number of poles (protected) Fiping characteristic Release characteristic Release characteristic So A Amperage Retinig Type Cholical Data - Electrical Voltage type Rated operational voltage (Ue) - max Rated operational voltage (Ue) - max Rated misulation voltage (Ue) - max Rated misulation voltage (Ui) Rated misulation voltage (Ui) Rated misulation voltage (Ui) Rated misulation voltage (Ui) Rated short-circuit breaking capacity (EV 80888-1) Rated switching capacity (EV 80888-1) Rated short-circuit breaking capacity (EV 80888-1) Rated short-circuit breaking capacity (EV 80888) at 400 V Rated short-circuit breaking capacity (EV 80888) at 400 V Rated short-circuit breaking capacity (EV 80888) at 400 V Rated short-circuit breaking capacity (EV 80888) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888) at 400 V Rated short-circuit breaking capacity (EV 80888) at 400 V Rated short-circuit breaking capacity (EV 80888) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 80888-1) at 400 V Rated short-circuit breaking capacity (EV 808	Number of poles	Three-pole
Tripping characteristic C Release characteristic C Amperage Rating Type Tochnical Data - Electrical Voltage type Rated operational voltage (Ue) - max Rated inituation voltage (Ul) Rated inituation voltage (Ui) Rated inituation voltage (Uimp) Rated inituation voltage (Uimp) Rated inituation voltage (Uimp) Rated inituation voltage (Uimp) Rated withstand voltage (Uimp) Rated short-circuit breaking capacity (EVEN 80898-1) Rated short-circuit breaking capacity (EVEN 80898-1) Rated short-circuit breaking capacity (EVEN 80898) at 200 V Rated short-circuit breaking capacity (EVEN 80898) at 200 V Rated short-circuit breaking capacity (EVEN 80998) at 200 V Rated short-circuit breaking capac	Number of poles (total)	3
Release characteristic Amperage Rating Type So A Ministure circuit breaker PL7 Technical Data - Electrical Voltage type Rated operational voltage (Ue) - max Anated insulation voltage (Ui) Rated impulse withstand voltage (Uimp) AtkV Frequency rating - min Frequency rating - min Frequency rating - max Rated short-circuit breaking capacity (EC/EN 86988-1) Rated short-circ	Number of poles (protected)	3
Amperage Rating Type Ministure circuit breaker	Tripping characteristic	С
Technical Data - Electrical Voltage type Rated operational voltage (Ue) - max Ac Rated operational voltage (Uh) Rated impulse withstand voltage (Uimp) At type Frequency rating - min Frequency rating - max Act des witching capacity (EC N60888-1) Rated short-circuit breaking capacity (EN 60888-1) Rated short-circuit breaking capacity (EN 60888-1) Rated short-circuit breaking capacity (EN 60888-1) Rated short-circuit breaking capacity (EC 60947-2) at 230 V Rated short-circuit breaking capacity (EC 60947-2) at 230 V Rated short-circuit breaking capacity (EC 60947-2) at 230 V Rated short-circuit breaking capacity (EC 60947-2) at 240 V Overvoltage category PL7 Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for spocified heat dissipation (in) Heat dissipation per pole, current-dependent Mated operational current for spocified heat dissipation (in) Heat dissipation per pole, current-dependent	Release characteristic	С
Technical Data - Electrical Voltage type Rated operational voltage (Ue) - max Rated insulation voltage (Uii) Rated impulse withstand voltage (Uimpl) Frequency rating - min Frequency rating - max Rated switching capacity (IEC/EN 60898-1) Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (EC 60947-2) at 200 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category Pollution degree Width in muber of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (in) Heat dissipation per pole, current-dependent Poly Correct design of protection ON Bated short-circuit breaking capacity (IEC 60947-2) at 400 V Connectable conductor cross section (multi-wired) - max Connectable conductor cross secti	Amperage Rating	50 A
Notitage type Rated operational voltage (Ue) - max Rated operational voltage (Ui) Rated insulation voltage (Uimp) 44V Frequency rating - min Frequency rating - max Rated switching capacity (IEC/EN 60898-1) Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Quervoltage category Pollution degree Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conduc	Туре	
Rated operational voltage (Ue) - max Rated insulation voltage (Ui) Rated impulse withstand voltage (Uimp) Frequency rating - min Frequency rating - min Frequency rating - max Rated switching capacity (IEC/EN 60898-1) Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Route of the compact o	Technical Data - Electrical	
Rated insulation voltage (Ui) Rated impulse withstand voltage (Uimp) Frequency rating - min Frequency rating - max Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (EN 60898) at 2400 V Rated short-circuit breaking capacity (EN 60898) at 400 V Rated short-circuit breaking capacity (EN 60898) at 400 V Rated short-circuit breaking capacity (EN 60898) at 400 V Rated short-circuit breaking capacity (IEC 60947-2) at 220 V Rated short-circuit breaking capacity (IEC 60947-2) at 220 V Roted short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category Pollution degree Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection IP20 Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 9 W	Voltage type	AC
Rated impulse withstand voltage (Uimp) Frequency rating - min Frequency rating - max Freque	Rated operational voltage (Ue) - max	400 V
Frequency rating - min Frequency rating - max Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (IEN 60898) at 230 V Rated short-circuit breaking capacity (IEN 60898) at 230 V Rated short-circuit breaking capacity (IEN 60898) at 400 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category Pollution degree Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - mia Connectable conductor cross section (multi-wired) - max Posign verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent Position (Connectable conductor cross section) (In) Heat dissipation per pole, current-dependent Position (Connectable conductor consecution) (In) Position (In) Posit	Rated insulation voltage (Ui)	440 V
Frequency rating - max Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (IEN 60898) at 230 V Rated short-circuit breaking capacity (IEN 60898) at 400 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category Pollution degree Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent	Rated impulse withstand voltage (Uimp)	4 kV
Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (IEC 60897-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 2400 V Overvoltage category Pollution degree 2 Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 10 kA 10	Frequency rating - min	50 Hz
Rated short-circuit breaking capacity (EN 60898) at 230 V Rated short-circuit breaking capacity (EN 60898) at 400 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category Pollution degree Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 10 kA 10	Frequency rating - max	60 Hz
Rated short-circuit breaking capacity (ER 60898) at 400 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category Pollution degree Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (multi-wired) - max Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 10 kA 0	Rated switching capacity (IEC/EN 60898-1)	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category III Pollution degree 2 Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection P20 Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max English verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent O kA O kA O kA O kA O kA O kA III P20 P20 P20 P30 P30 P30 P30 P30	Rated short-circuit breaking capacity (EN 60898) at 230 V	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Overvoltage category Pollution degree 2 Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent O kA III A CONDECTABLE CON	Rated short-circuit breaking capacity (EN 60898) at 400 V	10 kA
Overvoltage category Pollution degree 2 Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection IP20 Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - max Connectable conductor cross section (multi-wired) - max Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent III 7.5 mm 7.5 mm 1 mm² 2 5 mm² 2 5 mm² Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent OW	Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	0 kA
Pollution degree Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 2 Minume 70.5 mm 1 mm² 25 mm² 25 mm² 25 mm² 50 A 0 W	Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	0 kA
Width in number of modular spacings Built-in depth Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max 25 mm² Connectable conductor cross section (multi-wired) - max 25 mm² Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 0 W	Overvoltage category	III
Width in number of modular spacings Built-in depth 70.5 mm Degree of protection IP20 Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max 25 mm² Connectable conductor cross section (multi-wired) - min 1 mm² Connectable conductor cross section (multi-wired) - max 25 mm² Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 3 OUV	Pollution degree	2
Built-in depth Degree of protection IP20 Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max 25 mm² Connectable conductor cross section (multi-wired) - max 25 mm² Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent O W	Technical Data - Mechanical	
Degree of protection Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max 25 mm² Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent IP20 1 mm² 25 mm² 50 A 0 W	Width in number of modular spacings	3
Connectable conductor cross section (solid-core) - min Connectable conductor cross section (solid-core) - max 25 mm² Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max 25 mm² Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 1 mm² 25 mm² Do M	Built-in depth	70.5 mm
Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - max 25 mm² 25 mm² Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 0 W	Degree of protection	IP20
Connectable conductor cross section (multi-wired) - min 1 mm² Connectable conductor cross section (multi-wired) - max 25 mm² Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) 50 A Heat dissipation per pole, current-dependent 0 W	Connectable conductor cross section (solid-core) - min	1 mm²
Connectable conductor cross section (multi-wired) - max Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 25 mm² 50 A 0 W	Connectable conductor cross section (solid-core) - max	25 mm ²
Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 50 A 0 W	Connectable conductor cross section (multi-wired) - min	1 mm²
Rated operational current for specified heat dissipation (In) 50 A Heat dissipation per pole, current-dependent 0 W	Connectable conductor cross section (multi-wired) - max	25 mm ²
Heat dissipation per pole, current-dependent 0 W	Design verification as per IEC/EN 61439 - technical data	
	Rated operational current for specified heat dissipation (In)	50 A
Equipment heat dissipation, current-dependent 14.9 W	Heat dissipation per pole, current-dependent	0 W
	Equipment heat dissipation, current-dependent	14.9 W

Static heat dissipation, non-current-dependent	0 W
Heat dissipation capacity	0 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	75 °C
Design verification as per IEC/EN 61439	
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must b observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Additional information	
Current limiting class	3
Features	Additional equipment possible
Special features	Ambient temperature hint: a 1 °C increase results in a 0.5% linear reduction of current carrying capacity
Used with	Miniature circuit breaker PL7

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 Release characteristic C Number of poles (total) Number of protected poles 3 Rated current A 50 Rated voltage V 400 Rated insulation voltage Ui Rated impulse withstand voltage Uimp kV 440 Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V Voltage type Rated short-circuit breaking capacity Icn according to EC 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 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 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 400 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V	(ecl@ss10.0.1-27-14-19-01 [AAB905014])		
Number of poles (total) Number of protected poles Rated current A 50 Rated voltage V 400 Rated insulation voltage Ui Rated impulse withstand voltage Uimp Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V Voltage type Rated short-circuit breaking capacity Icn according to EN 60898 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 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 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	Built-in depth	mm	70.5
Number of protected poles Rated current A 50 Rated voltage V 400 Rated insulation voltage Ui Rated impulse withstand voltage Uimp Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V Voltage type Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V Rated short-circuit breaking capacity Icn 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 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	Release characteristic		С
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Rated voltage V 400 Rated insulation voltage Ui V 440 Rated impulse withstand voltage Uimp kV 4 Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V kA 10 Voltage type AC Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V kA 10 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 0 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 0	Number of protected poles		3
Rated insulation voltage Ui Rated impulse withstand voltage Uimp kV 4 Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V kA 10 Voltage type AC Rated short-circuit breaking capacity Icn according to EN 60898 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 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 current	А	50
Rated impulse withstand voltage Uimp kV 4 Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V kA 10 Voltage type Rated short-circuit breaking capacity Icn according to EN 60898 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 400 V Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 0	Rated voltage	V	400
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V Voltage type AC Rated short-circuit breaking capacity Icn according to EN 60898 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 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 insulation voltage Ui	V	440
Voltage type AC Rated short-circuit breaking capacity Icn according to EN 60898 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 400 V KA 0	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 $$	kA	10
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V kA 0 Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 0	Voltage type		AC
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V kA 0	Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V	kA	10
	Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V $$	kA	0
Frequency Hz 50 - 60	Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V $$	kA	0
	Frequency	Hz	50 - 60
Current limiting class 3	Current limiting class		3
Flush-mounted installation No	Flush-mounted installation		No

Concurrently switching neutral conductor		No
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		3
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
Explosion-proof		No