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



Part no. PL7-C50/3N 264000

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 (EN 60898) at 230 V Rated short-circuit breaking capacity (IEN 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 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 Router of Built-in degree 1II Viditi in number of modular spacings Built-in depth Degree of protection Degree of protection Limm² Connectable conductor cross section (solid-core) - max Connectable conductor cross section (multi-wired) - min	General specifications	
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Product large	Part no.	PL7-C50/3N
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Product Sub Type Delivery program Application Application Application Number of poles Number of poles Statil Number of poles Statil Number of poles (protected) Trice-pole + N Miniature circuit breaker Protected Notage type AC AC Amperage Rated Rated gavardout voltage (Ue) - max Ado V Rated dissolation voltage (Ue) Rated dissolation voltage (Ue) Rated amplies withstand voltage (Uirep) Frequency rating - min Rated short-circuit breaking capacity (IEC (R 1888)) # 1200 V Rated short-circuit breaking capacity (IEC (R 1888)) # 1200 V Rated short-circuit breaking capacity (IEC (R 1888)) # 1200 V Rated short-circuit breaking capacity (IEC (R 1888)) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R 1884-2) # 1200 V Rated short-circuit breaking capacity (IEC (R	Product Type	MCB
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Number of poles (total) 4 Number of poles (protected) 3 Tripging characteristic C Release characteristic BD A Amperage Rating BD A Type Ministure circuit breaker PL7 Ministure circuit breaker Voltage type AC Rated opperational voltage (Up) - max 400 V Rated slubsion voltage (Uimp) 440 V Fraquency rating - min 50 Hz Frequency rating - max 60 Hz Rated switching capacity (ED (EVE) Not898-11 10 kA Rated switching capacity (ED (EVE) Not898-12 10 kA Rated short-circuit breaking capacity (ED 60947-21 at 230 V 10 kA Rated short-circuit breaking capacity (ED 60947-21 at 400 V 0 kA Volevroltage category 111 Vidth in number of modular spacings 4 Bull-in depth 70.5 mm Degree of protection 1P20 Connectable conductor cross section (solid-core) - min 1 mm² Connectable conductor cross section (multi-wivel) - min 2 mm² Connectable conductor cross section (multi-	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Number of poles (protected) Triping cheracteristic Release characteristic Release characteristic Robert Company (Proportion of the Proportion of the Pro	Number of poles	Three-pole + N
Tripping characteristic Release characteristic Amperage Rating Type Solution Type Miniature circuit breaker PL7 Rethical Data - Electrical Voltage type Rated operational voltage (Up) - max Rated impulse withstand voltage (Uimp) Rated impulse withstand voltage (Uimp) Rated impulse withstand voltage (Uimp) Rated short-circuit breaking capacity (EC/EN 6888-1) Rated short-circuit breaking capacity (EC/EN 6888-1) Rated short-circuit breaking capacity (EC/EN 6888-1) Rated short-circuit breaking capacity (EC/EN 68981 at 230 V Rated short-circuit breaking capacity (EC/EN 68981 at 240 V Rated short-circuit breaking capacity (EC/EN 68981 at 240 V Rated short-circuit breaking capacity (EC/EN 68981-2) at 230 V Rated short-circuit breaking capacity (EC/EN 68981-2) at 240 V Okan Rated short-circuit breaking capacity (EC/EN 68981-2) at 240 V Okevoltage category Pollution degree Technical Data - Mechanical Within number of modular spacings Buil-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 port EC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent	Number of poles (total)	4
Release characteristic Anperage Rating Type So A Ministure circuit breaker PLT Technical Data - Electrical Voltage type Rated operational voltage (Ue) - max Rated insulation voltage (Uimp) Rated impulse withstand voltage (Uimp) Rated impulse withstand voltage (Uimp) Rated impulse withstand voltage (Uimp) Rated short-circuit breaking capacity (EC/EN 6088+1) Rated short-circuit breaking capacity (EC/EN 6088+1) Rated short-circuit breaking capacity (EC 6084-2) at 230 V Rated short-circuit breaking capacity (EC 6084-2) at 230 V Rated short-circuit breaking capacity (EC 6084-2) at 400 V Rated short-circuit breaking capacity (EC	Number of poles (protected)	3
Amperage Rating Type Ministure circuit breaker PL7 Technical Data - Electrical Voltage type AC Rated operational voltage (Ue) - max Rated insulation voltage (Ue) - max Rated insulation voltage (Ui) - max Rated insulation voltage (Ui) - max Rated insulation voltage (Ui) - max Rated insulation voltage (Uimp) Rated simples withstand voltage (Uimp) Frequency rating - min Frequency rating - min Frequency rating - max Rated soln-circuit breaking capacity (EE/EN 60894-1) Rated soln-circuit breaking capacity (EE 6094-72) at 230 V Rated soln-circuit breaking capacity (EE 6094-72) at 230 V Rated short-circuit breaking capacity (EE 6094-72) 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	Tripping characteristic	С
Technical Data - Electrical Voltage type Rated operational voltage (Ue) - max Rated operational voltage (Ui) Rated impulse withstand voltage (Uimp) Frequency rating - min Frequency rating - max Rated switching capacity (EN 60888-1) Rated short-circuit breaking capacity (EN 60888) at 230 V Rated short-circuit breaking capacity (EN 60888) at 230 V Rated short-circuit breaking capacity (EN 60888) at 230 V Rated short-circuit breaking capacity (EN 60889) at 400 V Rated short-circuit breaking capacity (EC 60947-2) at 230 V Rated short-circuit breaking capacity (EC 60947-2) at 2400 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 (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 West dissipation per pole, current-dependent	Release characteristic	С
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Notage type Rated operational voltage (Ue) - max Rated insulation voltage (Ui) Rated insulation voltage (Uimp) 44V Frequency rating - min Frequency rating - max Rated switching capacity (IEC/EN 60898-1) Rated short-circuit breaking capacity (IEC 60898-1) Rated short-circuit breaking capacity (IEC 60898-2) at 200 V Rated short-circuit breaking capacity (IEC 60947-2) at 230 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 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 ACC OW Rated short-circuit breaking capacity (IEC 60947-2) at 400 V OkA Rated short-circuit breaking capacity (IEC 60947-2) at 400 V OkA Rated short-circuit breaking capacity (IEC 60947-2) at 400 V OkA Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated short-circuit breaking capacity (IEC 60947-2) at 400 V Oka Rated s	Туре	
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Rated impulse withstand voltage (Uimp) Frequency rating - min Frequency rating - max Rated switching capacity (EC/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 (EN 60898) at 400 V Rated short-circuit breaking capacity (EN 60898) at 400 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 Pollution degree Technical Data - Mechanical Width in number of modular spacings Built-in depth Degree of protection Degree of protection Degree of protection Degree of protection Limit 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) - mix Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent 4 VV	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) - min Connectable conductor cross section (multi-wired) - max Connectable conductor cross section (multi-wired) - max Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent	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 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) - 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 1	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 (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 230 V 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 4 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 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 1	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 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 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	Frequency rating - max	60 Hz
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 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 kA	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 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 O till III O connectable category III O connectable conductor specified heat dissipation (In) Design verification as per IEC/EN 61439 - technical data Rated operational current for specified heat dissipation (In) Heat dissipation per pole, current-dependent	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 4 4 4 4 4 4 4 70.5 mm 1 pz0 2 5 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 O W	Rated short-circuit breaking capacity (EN 60898) at 400 V	10 kA
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) - max Connectable conductor cross section (multi-wired) - min Connectable conductor cross section (multi-wired) - min Tonnectable 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 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 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 Median Section (Multi-Mired) - Max Section (Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	0 kA
Width in number of modular spacings 4 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 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	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 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 Design verification as per IEC/EN 61439 - technical data Roter dissipation per pole, current-dependent Design verification as per IEC/EN 61439 - technical data Roter dissipation per pole, current-dependent Design verification as per IEC/EN 61439 - technical data Roter dissipation per pole, current-dependent Design verification as per IEC/EN 61439 - technical data Roter dissipation per pole, current-dependent Design verification as per IEC/EN 61439 - technical data Roter dissipation per pole, current-dependent Design verification as per IEC/EN 61439 - technical data Roter dissipation per pole, current-dependent Design verification as per IEC/EN 61439 - technical data Roter dissipation per pole, current-dependent	Width in number of modular spacings	4
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 50 A 0 W	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 25 mm² 25 mm² 20 mm	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 15.3 W	Heat dissipation per pole, current-dependent	0 W
	Equipment heat dissipation, current-dependent	15.3 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 be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
dditional information	
Current limiting class	3
Features	Concurrently switching N-neutral 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])

(eci@ss10.0.1-27-14-19-01 [AAb900014])		
Built-in depth	mm	70.5
Release characteristic		C
Number of poles (total)		4
Number of protected poles		3
Rated current	Α	50
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
Frequency	Hz	50 - 60
Current limiting class		3

Flush-mounted installation			No
Concurrently switching neutral conductor			Yes
Over voltage category			3
Pollution degree			2
Additional equipment possible			Yes
Width in number of modular spacings			4
Degree of protection (IP)			IP20
Ambient temperature during operating	o	°C	-25 - 75
Connectable conductor cross section multi-wired	r	mm²	1 - 25
Connectable conductor cross section solid-core	r	mm²	1 - 25
Explosion-proof			No