## **DATASHEET - PLHT-C20/3**

e 6 0 Part no. Catalog No.

Miniature circuit breaker (MCB), 20A, 3p, C-Char, AC



PLHT-C20/3 248033

**EL-Nummer** 1609520

(Norway)



Similar to illustration

number of pointsgoldgoldTipping hardnerVVVNorthward for industrial and advanced connercial applicationVVNorthward for industrial application	Delivery program			
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start distribution grapherly acc. to IEC/EN 80947-2       Instrume set of the set of th	Application			Switchgear for industrial and advanced commercial applications
Inductionage       PLIT         Cechnical data Bard switching capacity act. to IEU/EN 60007-2       Image       Ka       25         Cechnical data Bard switching capacity act. to IEU/EN 60007-2       Image       Ka       25         Cechnical data for design verification       Image       Mate       25         Rande operational current for specified that dissipation       Perat       W       16.3         Static heat dissipation, current dependent       Perat       W       16.3         Static heat dissipation, current dependent       Perat       W       16.3         Operating smitherit temperature min.       Co       25       25         Operating smitherit temperature min.       Perat       W       16.3         10.22 Strength of materialis and parts       Perat       W       16.3         10.22 Strength of materialis and parts       Perat       W       16.3         10.22 Strength of materialis and parts       Perat       Perat       16.3         10.22 Strength of materialis and parts       Perat       P	Rated current	In	А	20
Cachanol       Control         Standard watching capacity act, to IECPK 600-2       r.g.       A       25         Control       Standard St	Rated switching capacity acc. to IEC/EN 60947-2	l <sub>cu</sub>	kA	25
idea for a constraint of a con	Product range			PLHT
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Certain and a for disgiv wrification       In       A       20         Rated operational current for specified head dissipation       In       A       20         Head dissignation per pole, current-dependent       Pod       W0       0         Equipment head dissignation, con-current-dependent       Pod       W0       0         Guard dissignation, con-current-dependent       Pod       W0       0         Operating ambient temperature max.       °C       25       55         Operating ambient temperature max.       °C       55       70         10.2 Strendshor resistance       Formation of sequirements.       West the product standard's requirements.         10.2.2 Strendshor resistance       Formation of sequirements.       West the product standard's requirements.         10.2.2 Strendshor resistance       Formation of sequirements.       West the product standard's requirements.         10.2.2 Strendshor resistance       Formation of sequirements.       West the product standard's requirements.         10.2.2 Strendshor resistance of insulting materials to normal heat       West the product standard's requirements.         10.2.2 Arbification of resistance of insulting materials to normal heat       West the product standard's requirements.         10.2.2 Strendshore of insulting materials to normal	Technical data Electrical			
Retholal data for design verification       In       A       20         Rated operational current for specified heat dissipation       In       A       20         Heat dissipation per pole, current-dependent       Pvd       W0       0         Equipment heat dissipation, current-dependent       Pvd       W0       0         Heat dissipation, concurrent-dependent       Pvd       W0       0         Operating ambient temperature min.       C       25       55         Operating ambient temperature max.       V0       V0       V0         1022 Strength of materials and parts       V0       V0       V0         1022 Strength of materials and parts       V0       V0       V0       V0         1022 Strength of materials and parts       V0       V0       V0       V0       V0         1023 Strength of materials and parts       V0       V0 <td>Rated switching capacity acc. to IEC/EN 60947-2</td> <td>I<sub>cu</sub></td> <td>kA</td> <td>25</td>	Rated switching capacity acc. to IEC/EN 60947-2	I <sub>cu</sub>	kA	25
Retholal data for design verification       In       A       20         Rated operational current for specified heat dissipation       In       A       20         Heat dissipation per pole, current-dependent       Pvd       W0       0         Equipment heat dissipation, current-dependent       Pvd       W0       0         Heat dissipation, concurrent-dependent       Pvd       W0       0         Operating ambient temperature min.       C       25       55         Operating ambient temperature max.       V0       V0       V0         1022 Strength of materials and parts       V0       V0       V0         1022 Strength of materials and parts       V0       V0       V0       V0         1022 Strength of materials and parts       V0       V0       V0       V0       V0         1023 Strength of materials and parts       V0       V0 <td>Design verification as per IEC/EN 61439</td> <td></td> <td></td> <td></td>	Design verification as per IEC/EN 61439			
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10.9 Insulation properties     Image: Constraint of the panel builder's responsibility.       10.9.2 Power-frequency electric strength     Image: Constraint of the panel builder's responsibility.       10.9.3 Impulse withstand voltage     Image: Constraint of the panel builder's responsibility.       10.9.4 Testing of enclosures made of insulating material     Image: Constraint of the panel builder's responsibility.       10.10 Temperature rise     Image: Constraint of the panel builder's responsibility.	10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
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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	10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.10 Temperature rise The panel builder is responsible for the temperature rise calculation. Eaton wil	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 be 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.

## **Technical data ETIM 7.0**

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

Electric engineering, automation, process control engineering / Electrical installation, devic (ecl@ss10.0.1-27-14-19-01 [AAB905014])	ce / Miniature cir	rcuit breaker system (MCB) / Miniature circuit breaker (MCB)
Release characteristic		C
Number of poles (total)		3
Number of protected poles		3
Rated current	А	20
Rated voltage	V	400
Rated insulation voltage Ui	V	440
Rated impulse withstand voltage Uimp	kV	4
Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	0
Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	0
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	25
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	25
Voltage type		AC
Frequency	Hz	50 - 60
Current limiting class		3
Suitable for flush-mounted installation		No
Concurrently switching N-neutral		No
Over voltage category		3
Pollution degree		2
Additional equipment possible		Yes
Width in number of modular spacings		4.5
Built-in depth	mm	75
Degree of protection (IP)		IP20
Ambient temperature during operating	°C	-25 - 55
Connectable conductor cross section multi-wired	mm²	2.5 - 50
Connectable conductor cross section solid-core	mm²	2.5 - 50