DATASHEET - PL4-C20/3



Miniature circuit breaker (MCB), 20A, 3 p, type C characteristic

Powering Business Worldwide™

PL4-C20/3 Part no. Catalog No. 293161

Similar to illustration

Delivery program			
Basic function			Miniature circuit-breakers
Number of poles			3 pole
Tripping characteristic			С
Application			Switchgear for residential and commercial applications
Rated current	In	Α	20
Rated switching capacity according to IEC/EN 60898-1	I _{cn}	kA	4.5
Product range			PL4

Rated operational current for apocified hoat dissipation In	Design verification as per IEC/EN 61439			
Heat dissipation per pole, current-dependent Pord W 9.8 Static heat dissipation, current-dependent Pord W 9.8 W 0 Operating ambient temperature min. C C 25 Operating ambient temperature max. C C 75 Immar, per +1 °C, results in a 0.5% reduction of current carrying capacity ECC/EN 61438 design verification 10.2.2 Strength of materials and parts 10.2.2 Strength of materials and parts 10.2.2 Strength of materials and parts 10.2.2 Verification of themal stability of enclosures 10.2.3 Verification of resistance of insulating materials to normal heat and fire due to internal electric effects 10.2.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects 10.2.5 Litting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.2.7 Inscriptions 10.2.8 Mechanical impact 10.2.9 renor of protection of ASSEMBLIES 10.4 Portaction of protection of ASSEMBLIES 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.8 Inscriptions 10.9 Power-frequency electric strength 10.3 Operating withstand voltage 10.3 Strength of materials 10.3 Strength of materials 10.3 Inscriptions 10.3 Expressions 10.4 Resistance of insulation properties 10.5 Internal conductors 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Insulation properties 10.9 Power-frequency electric strength 10.3 Insulation properties 10.3 Insulation properties 10.3 Insulation properties 10.4 Electromagnetic compatibility 10.5 Internal electrical circuits and connections 10.1 Internal electrical circuits and connections 10.1 Internal electrical circuits and connections 10.3 Insulation properties 10.4 Electromagnetic compatibility 10.5 Internal electrical circuits and intern	Technical data for design verification			
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Technical data ETIM 6.0

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@ss8.1-27-14-19-01 [AAB905011])

Number of protected poles Nominal rated current Nominal rated voltage Nominal rated voltage Rated short-circuit breaking capacity Icn EN 60898 at 230 V Rated short-circuit breaking capacity Icn EN 60898 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacit	[AAB905011])		
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Rated short-circuit breaking capacity Icn EN 60898 at 400 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Voltage type Voltage type Current limiting class Frequency Concurrently switching N-neutral Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible kA 4.5 4.6 0 0 AC AC No No No 2.1 3.2 4.2 2.2 4.3 4.5 4.5 4.5 4.5 4.5 4.5 4.6 4.6	Nominal rated voltage	V	400
Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	Rated short-circuit breaking capacity Icn EN 60898 at 230 V	kA	A 4.5
Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V Voltage type Current limiting class Frequency Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible KA 0 C C C C C C C C C C C C	Rated short-circuit breaking capacity Icn EN 60898 at 400 V	kA	A 4.5
Voltage type Current limiting class Frequency Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible AC AC AC AC AC 3 4 4 50 - 60 No No 2 4 4 50 - 60 No 2 4 7 50 - 60 No 10 2 4 7 7 7 7 7 7 7 7 7 7 7 7	Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V	kA	A 0
Current limiting class Frequency Concurrently switching N-neutral No Cover voltage category Cover voltage categ	Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V	kA	A 0
Frequency Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible Hz 50-60 No No Over voltage category Pollution degree 2 2 3 3 3 3 3 3 4 4 5 5 5 5 5 5 5 5 5 6 6 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Voltage type		AC
Concurrently switching N-neutral Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible No 2 2 Wes	Current limiting class		3
Suitable for flush-mounted installation Over voltage category Pollution degree Width in number of modular spacings Built-in depth Additional equipment possible No 2 2 4 7 7 7 7 7 7 7 7 7 7 7 7	Frequency	Hz	z 50 - 60
Over voltage category 3 Pollution degree 2 Width in number of modular spacings 3 Built-in depth mm 70.5 Additional equipment possible Yes	Concurrently switching N-neutral		No
Pollution degree 2 Width in number of modular spacings 3 Built-in depth mm 70.5 Additional equipment possible Yes	Suitable for flush-mounted installation		No
Width in number of modular spacings 3 Built-in depth mm 70.5 Additional equipment possible Yes	Over voltage category		3
Built-in depth mm 70.5 Additional equipment possible Yes	Pollution degree		2
Additional equipment possible Yes	Width in number of modular spacings		3
	Built-in depth	mm	70.5
Degree of protection (IP)	Additional equipment possible		Yes
	Degree of protection (IP)		IP20