DATASHEET - PL6-C25/3N

Miniature circuit breaker (MCB), 25 A, 3p+N, characteristic: C

Part no. Catalog No. 106912

PL6-C25/3N



Similar to illustration

Basic function Initiature circuit-breakers 3pole+N Number of poles 3pole+N Sinchgear for residential and commercial applications Application In A Sinchgear for residential and commercial applications Rated current In A Sinchgear for residential and commercial applications Rated current In A Sinchgear for residential and commercial applications Rated current In A Sinchgear for residential and commercial applications Rated switching capacity according to IEC/EN 06098-1 In A Sinchgear for residential and commercial applications Electrical In Na A Sinchgear for for sinchgear for sinchgear for sinchgear for sinchgear for sinchgear for sinchgear for for for for for for for for for fo
Tripping characteristic Internet
Application In A Switchgear for residential and commercial applications Rated current In A 25 Rated switching capacity according to IEC/EN 60098-1 Ion KA 6 Product range PL6 Commercial applications Technical data KA 6 Rated switching capacity according to IEC/EN 60098-1 Ion KA 6 Rated switching capacity according to IEC/EN 60098-1 Ion KA 6 Rated switching capacity according to IEC/EN 60098-1 Ion KA 6 Rated switching capacity according to IEC/EN 60098-1 Ion KA 6 Rated switching capacity according to IEC/EN 60098-1 Ion KA 6 Rated switching capacity according to IEC/EN 60098-1 Ion KA 6 Rated switching capacity Ion A 5 5 Rated switching capacity Peide Veid 0 6 Rated switching capacity Peide Veid 0 6 6 6 6 6 6 6
Rated current In A Z Rated switching capacity according to IEC/EN 60998-1 Len KA 6 Product range PIG PIG Technical data Electrical Rated switching capacity according to IEC/EN 60998-1 Len KA 6 Rated switching capacity according to IEC/EN 60998-1 Len KA 6 Celetrical Rated operational current for specified heat dissipation Len KA 6 Rated operational current for specified heat dissipation In A 5 5 Rated operational current dependent Pvid W 0 1 1 Rated sispation, non-current-dependent Pvid W 0 1<
network network <t< td=""></t<>
Product range PL6 Product range PL6 PL6 PL6 PL6 PL6 PL6 PL6 PL6
Technical data Electrical Rated switching capacity according to IEC/EN 60898-1 Icn KA 6 Descign verification as per IEC/EN 61439 Icn KA 6 Technical data for design verification In A 25 Rated operational current for specified heat dissipation In A 25 Heat dissipation, per pole, current-dependent Pvid W 0 Equipment heat dissipation, current-dependent Pvid W 9.7 Static heat dissipation, non-current-dependent Pvid W 0 Operating ambient temperature min. °C -25 -25 Operating ambient temperature min. °C -25 -25 Io2 Strength of materials and parts °C -25 -25 Io2 Strength of materials and parts °C -25 -25 Io2 Strength of materials and parts °C -25 -25 Io2 Strength of materials and parts ·C -25 -25 Io2 Strength of materials and parts ·C -25 -25 Io2 Strength of materials and parts ·C -25 -25
Electrical Icn KA 6 Bated switching capacity according to IEC/EN 60898-1 Icn 6 Icn Icn <tdi< td=""></tdi<>
Electrical Icn KA 6 Bated switching capacity according to EC/EN 60898-1 Icn KA 6 OPENDECIDENCIPENCIPENCIPENCIPENCIPENCIPENCIPENCIP
Rated operational current for specified heat dissipation In A 25 Rated operational current for specified heat dissipation In A 25 Heat dissipation per pole, current-dependent Pvid W 0 Equipment heat dissipation, current-dependent Pvid W 0 Static heat dissipation, non-current-dependent Pvid W 0 Static heat dissipation, non-current-dependent Pvis W 0 Idea dissipation capacity Pdiss W 0 Operating ambient temperature min. Pdiss V 0 Ide2 Krength of materials and parts Price 75 Ide2 Krength of materials and parts Meets the product standard's requirements. Ide2 Strength of themenal tability of enclosurers Meets the product standard's requirements. Ide2.32 Verification of thermal stability of enclosurers Meets the product standard's requirements.
Technical data for design verification Image: Section of the sectin of the section of the section of the secti
Technical data for design verification Image: Section of the sect
Rated operational current for specified heat dissipation In A 25 Heat dissipation per pole, current-dependent Pvid W 0 Equipment heat dissipation, current-dependent Pvid W 9.7 Static heat dissipation, non-current-dependent Pvid W 0 Heat dissipation capacity Poiss W 0 Operating ambient temperature min. °C 25 Operating ambient temperature max. °C 75 Intercent of the statistication Sector Sec
Heat dissipation per pole, current-dependent Pvid W 0 Equipment heat dissipation, current-dependent Pvid W 9.7 Static heat dissipation, non-current-dependent Pvs W 0 Heat dissipation capacity Pdiss W 0 Operating ambient temperature min. Pdiss V 0 Operating ambient temperature max. °C 75 IteZEN 61439 design verification Feederations Peederations Peederations 10.2 Strength of materials and parts Feederations Feederations Feederations 10.2.3.1 Verification of thermal stability of enclosures Feederations Meets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to normal head Feederations Meets the product standard's requirements.
Equipment heat dissipation, current-dependent Pvid We 9.7 Static heat dissipation, non-current-dependent Pvs We 0 Heat dissipation capacity Pdiss We 0 Operating ambient temperature min. °C °25 Operating ambient temperature max. °C 75 IECEN 61439 design verification Feator of the materials and parts Feator of the materials and parts 10.2.2.2 Corrosion resistance Feator of the materials to normal head Feator of the materials and parts Mets the product standard's requirements. 10.2.3.2 Verification of thermal stability of enclosures Feator of the product standard's requirements. Mets the product standard's requirements.
Static heat dissipation, non-current-dependent Pvs W 0 Heat dissipation capacity Pdiss W 0 Operating ambient temperature min. °C 25 Operating ambient temperature max. °C 75 IEC/EN 61439 design verification Imear, per +1 °C, results in a 0.5% reduction of current carrying capacity 10.2.2 Corrosion resistance M Mets the product standard's requirements. 10.2.3.1 Verification of thermal stability of enclosures Mets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to normal heat Mets the product standard's requirements.
Heat dissipation capacity Pdiss W 0 Operating ambient temperature min. °C 25 Operating ambient temperature max. °C 75 IEC/EN 61439 design verification Image: Product standard's requirements. Image: Product standard's requirements. 10.2.2 Corrosion resistance Image: Product standard's requirements. Meets the product standard's requirements. 10.2.3.1 Verification of thermal stability of enclosures Image: Product standard's requirements. Meets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to normal heat Image: Product standard's requirements. Meets the product standard's requirements.
Operating ambient temperature min. °C -25 Operating ambient temperature max. °C 75 IEC/EN 61439 design verification Image: Part and Parts Image: Part and Parts 10.2.2 Strength of materials and parts Image: Part and Parts Image: Part and Parts 10.2.3.1 Verification of thermal stability of enclosures Image: Part and Parts Image: Part and Parts 10.2.3.2 Verification of resistance of insulating materials to normal heat Image: Part and Parts Meets the product standard's requirements.
Operating ambient temperature max. °C 75 IEC/EN 61439 design verification Image: per +1 °C, results in a 0.5% reduction of current carrying capacity 10.2 Strength of materials and parts Image: per +1 °C, results in a 0.5% reduction of current carrying capacity 10.2.2 Corrosion resistance Image: per +1 °C, results in a 0.5% reduction of current carrying capacity 10.2.3.1 Verification of thermal stability of enclosures Image: per +1 °C, results in a 0.5% reduction of current carrying capacity 10.2.3.2 Verification of resistance of insulating materials to normal heat Image: per +1 °C, results in a 0.5% reduction of current carrying capacity
Index of the product standard's requirements.10.2.3.1 Verification of thermal stability of enclosuresImage: per +1 °C, results in a 0.5% reduction of current carrying capacity10.2.3.2 Verification of thermal stability of enclosuresImage: per +1 °C, results in a 0.5% reduction of current carrying capacity10.2.3.2 Verification of thermal stability of enclosuresImage: per +1 °C, results in a 0.5% reduction of current carrying capacity10.2.3.2 Verification of thermal stability of enclosuresImage: per +1 °C, results in a 0.5% reduction of current carrying capacity10.2.3.2 Verification of thermal stability of enclosuresImage: per +1 °C, results in a 0.5% reduct standard's requirements.10.2.3.2 Verification of resistance of insulating materials to normal heatImage: per +1 °C, results in a 0.5% reduct standard's requirements.Image: per +1 °C, results in a 0.5% reduct standard's requirements.Image: per +1 °C, results in a 0.5% reduction of current carrying capacity10.2.3.2 Verification of thermal stability of enclosuresImage: per +1 °C, results in a 0.5% reduct standard's requirements.10.2.3.2 Verification of resistance of insulating materials to normal heatImage: per +1 °C, results in a 0.5% reduct standard's requirements.
IEC/EN 61439 design verification Image: state stat
10.2 Strength of materials and parts Meets the product standard's requirements. 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.
10.2.2 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.
10.2.3.1 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.
10.2.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements.
· · · · · ·
10.2.3.3 Varification of resistance of insulating materials to abnormal heat Mosts the product standard's requirements
and fire due to internal electric effects
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
10.8 Connections for external conductors
10.9 Insulation properties
10.9.2 Power-frequency electric strength Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage
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. Eator

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 8.0

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

Electric engineering, automation, process control engineering / Electrical installat (ecl@ss10.0.1-27-14-19-01 [AAB905014])	ion, device / Mini	iature cir	cuit breaker system (MCB) / Miniature circuit breaker (MCB)
Built-in depth		mm	70.5
Release characteristic			В
Number of poles (total)			4
Number of protected poles			3
Rated current		A	25
Rated voltage		V	230
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	6
Voltage type			AC
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V		kA	6
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		°C	-25 - 75
Connectable conductor cross section multi-wired		mm²	1 - 25
Connectable conductor cross section solid-core		mm²	1 - 25
Explosion-proof			No