DATASHEET - DC1-127D0FN-A20CE1



Variable frequency drive, 230 V AC, 1-phase, 7 A, 1.5 kW, IP20/NEMA 0, Radio interference suppression filter, FS1 $\,$



Part no. DC1-127D0FN-A20CE1

185809

EL Number

4137008

(Norway)

(laulway)	
General specifications	
Product name	Eaton DC1 Variable frequency drive
Part no.	DC1-127D0FN-A20CE1
EAN	4015081813087
Product Length/Depth	124 millimetre
Product height	184 millimetre
Product width	81 millimetre
Product weight	1.2 kilogram
Certifications	CSA-C22.2 No. 14 EAC UkrSEPRO IEC/EN 61800-3 IEC/EN61800-3 UL Specification for general requirements: IEC/EN 61800-2 RCM Safety requirements: IEC/EN 61800-5-1 UL report applies to both US and Canada IEC/EN61800-5 RoHS, ISO 9001 UL Category Control No.: NMMS, NMMS7 UL File No.: E172143 CUL CE Certified by UL for use in Canada UL 508C
Product Tradename	DC1
Product Type	Variable frequency drive
Product Sub Type	None
Catalog Notes	Environmental class: 3C2, 3S2 Overload cycle for 60 s every 600 s
eatures & Functions	
Features	Parameterization: drivesConnect Parameterization: drivesConnect mobile (App) Parameterization: Fieldbus Parameterization: Keypad
Fitted with:	Control unit IGBT inverter 7-digital display assembly Internal DC link Radio interference suppression filter PC connection Additional PCB protection
General information	
Cable length	50 m, screened, maximum permissible, Motor feeder 100 m, screened, with motor choke, maximum permissible, Motor feeder C2 ≤ 5 m, Radio interference level, maximum motor cable length C3 ≤ 25 m, Radio interference level, maximum motor cable length 75 m, unscreened, maximum permissible, Motor feeder 150 m, unscreened, with motor choke, maximum permissible, Motor feeder C1 ≤ 1 m, Radio interference level, maximum motor cable length
Communication interface	SmartWire-DT, optional CANopen®, built in Modbus RTU, built in OP-Bus (RS485), built in
Connection to SmartWire-DT	Yes In conjunction with DX-NET-SWD3 SmartWire DT module
Degree of protection	IP20 NEMA Other
Electromagnetic compatibility	1st and 2nd environments (according to EN 61800-3)
Frame size	FS1
Mounting position	Vertical

Product category	Variable frequency drives
Protection	Finger and back-of-hand proof, Protection against direct contact (BGV A3, VBG4)
Protocol	Other bus systems
	CAN EtherNet/IP MODBUS
Radio interference class	C2, C3: depending on the motor cable length, the connected load, and ambient conditions. External radio interference suppression filters (optional) may be necessary. C1: for conducted emissions only Optional external radio interference suppression filter for longer motor cable lengths and for use in different EMC environments
Suitable for	Branch circuits, (UL/CSA)
Climatic environmental conditions	
Altitude	Max. 4000 m Above 1000 m with 1 % derating per 100 m
Ambient operating temperature - min	-10 °C
Ambient operating temperature - max	50 °C
Ambient operating temperature at 150% overload - min	-10 °C
Ambient operating temperature at 150% overload - max	50 °C
Ambient storage temperature - min	-40 °C
Ambient storage temperature - max	0° C
Climatic proofing	< 95 average relative humidity (RH), no condensation, no corrosion
Main circuit	
Efficiency	95.8 % (η)
Heat dissipation at current/speed	26 W at 25% current and 0% speed 26 W at 25% current and 50% speed 31 W at 50% current and 0% speed 40 W at 50% current and 50% speed 48 W at 100% current and 0% speed 48 W at 50% current and 90% speed 68 W at 50% current and 50% speed 78 W at 100% current and 90% speed
Input current ILN at 150% overload	12.9 A
Leakage current at ground IPE - max	4.8 mA
Mains switch-on frequency	Maximum of one time every 30 seconds
Mains voltage - min	200 V
Mains voltage - max	240 V
Operating mode	Sensorless vector control (SLV) Speed control with slip compensation U/f control BLDC motors PM motors Synchronous reluctance motors
Output frequency - min	0 Hz
Output frequency - max	500 Hz
Output voltage (U2)	230 V AC, 3-phase 240 V AC, 3-phase
Overload current IL at 150% overload	10.5 A
Rated control supply voltage	10 V DC (Us, max. 10 mA)
Rated frequency - min	48 Hz
Rated frequency - max	62 Hz
Rated operational current (Ie)	7 A at 150% overload (at an operating frequency of 16 kHz and an ambient air temperature of +50 °C)
Rated operational power at 220/230 V, 50 Hz, 1-phase	1.5 kW
Rated operational voltage	240 V AC, 1-phase 230 V AC, 1-phase
Resolution Short circuit protection ratios	0.1 Hz (Frequency resolution, setpoint value)
Short-circuit protection rating Starting current - max	15 A, UL (Class CC or J), Safety device (fuse or miniature circuit-breaker), Power Wiring 175 %, IH, max. starting current (High Overload), For 2.5 seconds every 600
•	seconds, Power section
County for any and	50/60 Hz
Supply frequency	
Supply frequency Switching frequency	8 kHz, 4 - 32 kHz adjustable (audible), fPWM, Power section, Main circuit
	8 kHz, 4 - 32 kHz adjustable (audible), fPWM, Power section, Main circuit AC supply systems with earthed center point

Apparent power at 230 V Apparent power at 240 V Braking function Braking torque Max. 100 % of rated operational current le, variable, DC - Main circuit Max. 30 % MN, Standard - Main circuit Control circuit Number of inputs (analog) Number of inputs (digital) Number of outputs (analog) Number of outputs (analog) Number of outputs (digital) Number of outputs (digital) Number of relay outputs 1 (parameterizable, N/O, 6 A (250 V, AC-1)/5 A (30 V, DC-1))	Motor rating	
Assigned motor current Mar 128 - 140 V, 60 M, 190% everted Assigned motor current Mar 128 - 140 V, 60 M, 190% everted Assigned motor current Mar 124 - 140 V, 60 M, 190% everted Assigned motor current Mar 124 - 140 V, 60 M, 190% everted Assigned motor current Mar 124 - 140 V, 60 M, 190% everted Assigned motor current Mar 124 - 140 V, 60 M, 190% everted Assigned motor power at 110 V 100 M 12 M 124 M 1	Assigned motor current IM at 110/120 V, 60 Hz, 150% overload	6.8 A
Assigned motor current M at 120 V. 50 Pc. 190% contrals Assigned motor current M at 120 V. 50 Pc. 190% contrals Assigned motor proces M 441-40 V. 50 Pc. 190% contrals Assigned motor proces at 1512/10 M. Bit. 1-phase Assigned motor proces at 1512/10 M. Bit. 1-phase Assigned motor proces at 1512/10 M. Bit. 1-phase Assigned motor proces at 2502/10 V. 60 Bit. 1-phase Assigned motor proces at 2502/10 V. 60 Bit. 1-phase Assigned motor proces at 2502/10 V. 60 Bit. 1-phase Assigned motor proces at 2502/10 V. 60 Bit. 1-phase Assigned motor proces at 2504/10 V. 60 Bit. 2-phase Assigned motor proces at 2504 V. Assigned motor proces at 2504 V. Apparent power at 250 V. Apparent power Apparent power at 250 V. Apparent power Apparent power at 250 V. Appare	Assigned motor current IM at 115 V, 50 Hz, 150% overload	6.3 A
Assigned motor current M at 460 V.50 Hz, 190% eventual Assigned motor current M at 460 V.50 Hz, 190% servitad Assigned motor power at 1912 V.60 V.60 Hz, 1945 servitad Assigned motor power at 1912 V.60 V.60 Hz, 1945 see Assigned motor power at 495040 V.60 Hz, 1945 see Assigned motor power at 495040 V.60 Hz, 1945 see Assigned motor power at 495040 V.60 Hz, 1945 see Assigned motor power at 495040 V.60 Hz, 1945 see Assigned motor power at 495040 V.60 Hz, 1945 see Assigned motor power at 495040 V.60 Hz, 1945 see Assigned motor power at 495040 V.60 Hz, 1945 see Assigned motor power at 495040 V.60 Hz, 1945 see Assigned motor power at 29504 v.60 Hz, 1945 see Assigned motor power at 29504 V.60 Hz, 1945 see Assigned motor power at 29504 V.60 Hz, 1945 see Assigned motor power at 29504 V.60 Hz, 1945 see Assigned motor power at 29504 v.60 Hz, 294 see Assigned motor power at 29504 V.60 Hz, 294 see Assigned motor power at 29504 V.60 Hz, 294 see Assigned motor power at 29504 V.60 Hz, 294 see Assigned motor power at 29504 V.60 Hz, 294 see Assigned motor power at 29504 V.60 Hz, 294 see A	Assigned motor current IM at 220 - 240 V, 60 Hz, 150% overload	6.8 A
Assigned motor current Ma 1440 - 60 V, 00 Hz, 19/05 overload Assigned motor power at 11570 V, 00 Hz, 1-phase Assigned motor power at 2020 W, V, 20 Hz, 1-phase Assigned motor power at 2020 W, V, 20 Hz, 1-phase Assigned motor power at 2020 W, V, 20 Hz, 2-phase Assigned motor power at 400400 V, 00 Hz, 2-phase Apparent power Apparent power Apparent power at 2020 W, So Hz, 3-phase Apparent power at 2020 W, So Hz, 3-phase Apparent power at 2020 W, 20 Hz, 20 H	Assigned motor current IM at 230 V, 50 Hz, 150% overload	6.3 A
Assigned mater proces at 119/120 V, 60 Hz. 1-phase Assigned mater power at 119/120 V, 60 Hz. 1-phase Assigned mater power at 119/120 V, 60 Hz. 3-phase Apparent power Apparent power Apparent power at 250 V Apparent power at	Assigned motor current IM at 400 V, 50 Hz, 150% overload	6.3 A
Assigned motor prover at 200740 V, 10 Hz, 1-phrasa Assigned motor gover at 400480 V, 100 Hz, 1-phrasa Assigned motor gover at 400480 V, 100 Hz, 3-phrase Apparent power Apparent power at 230 V Braking function Braking function Braking function Braking function Control circuit Watther of inputs (single) Watther of inputs (single) Watther of inputs (single) Watther of inputs (single) Watther of outputs (single) W	Assigned motor current IM at 440 - 480 V, 60 Hz, 150% overload	6.8 A
Assigned motor gover at 460/480 V, 50 Hz. Sphase 2 PP Apparent power at 230 V Apparent power at 230 V Apparent power at 230 V Apparent power at 240 V 231 kVA Max. 100 V of rated operational current fit, variable, DC - Man circuit Max. 30 S M/S, Smeller M, Smeller	Assigned motor power at 115/120 V, 60 Hz, 1-phase	2 HP
Aspirent power at 280 V 276 N/A Apparent power at 280 V 276 N/A Apparent power at 280 V 276 N/A Apparent power at 280 V 276 N/A Braking function Braking function Braking function Braking function Braking torque Max. 180 % of rated operational current (o, variable, DC - Main circuit Max. 30 % N/B, Shandard - Main circuit Max. 180 % of stated operational current (o, variable, DC - Main circuit Max. 30 % N/B, Shandard - Main circuit Number of inputs (rigidal) Number of	Assigned motor power at 230/240 V, 60 Hz, 1-phase	2 HP
Apparent power at 289 V Backing function Braking function Braking function Braking function Was: 189 % of rated operational current le, variable, DC - Main circuit Max: 30 % MN, Shandard - Mion circuit Number of nipuds (digital) Number of outputs (digital) Number of outputs (digital) Number of outputs (digital) 1 Number of output	Assigned motor power at 460/480 V, 60 Hz	2 HP
Apparent power at 280 V 231 kVA Apparent power at 280 V 231 kVA Straking function Braking function Max. 100 % of raced operational current le, variable, DC - Main circuit Max. 30 % MV, Standard - Main circuit Number of inputs (sealog) Number of inputs (sealog) Number of relay outputs Number of relay outputs Number of relay outputs Sealogue of relay of the	Assigned motor power at 460/480 V, 60 Hz, 3-phase	2 HP
Apparent power at 280 V 231 kVA Apparent power at 280 V 231 kVA Straking function Braking function Max. 100 % of raced operational current le, variable, DC - Main circuit Max. 30 % MV, Standard - Main circuit Number of inputs (sealog) Number of inputs (sealog) Number of relay outputs Number of relay outputs Number of relay outputs Sealogue of relay of the	Apparent power	
Braking function Braking function Braking torque Max. 100 'S of rated operational current le, variable, DC - Main circuit Max. 30 'S MM, Standard - Main circuit Max. 30 'S MM, Standard - Main circuit Mumber of inputs (analog) Number of inputs (digital) Number of inputs (digital) Number of outputs (digital) Nu		2.79 kV-A
Braking function Braking function Braking function Max. 108 % of rated operational current Is, variable, DC - Main circuit Mounter of inputs (anning) All parameterizable, 0 - 10 V DC, 04 - 20 mA Aumbor of inputs (algital) Aumbor of outputs (anning) 1 Iparameterizable, 10 - 30 V DC) Numbor of outputs (algital) 1 Design verification Equipment head dissipation, current-dependent Pvid G3 W Heat dissipation capacity Pdiss O W Heat dissipation per pole, current-dependent Pvid Braked generations current or specificat head sidespation (Fig. 20 V V V V V V V V V V V V V V V V V V	· · ·	
Brating torque Max. 100 % of reted operational current le, variable, DC - Main circuit Max. 20 % ANN, Bratidierd - Main circuit Number of imputs (analog) Number of imputs (sigital) Number of outputs (sigital) Number of sigital (sigital) Numb	***	LUTRY
Mex. 30 % MN, Standard - Main. circuit Number of injusts (analog) Number of injusts (digital) Number of outputs (digital) Number of substance outputs Design verification Equipment heat dissignation, current-dependent Pvid OW Rated dissignation per polic, current-dependent Pvid OW Rated operational current for specified heat dissignation (n) Rated operations of termisments Neets the product standard's requirements. Meets the product standard's requirements. Neets the product standard's requirements. 10.2.3.1 Verification of thermal stability of enclosures Neets the product standard's requirements. Neets the product standard's requirements. 10.2.5 Litting Dees not apply, since the entire switchgear needs to be evaluated. 10.2.7 Inscriptions Dees not apply, since the entire switchgear needs to be evaluated. Neets the product standard's requirements. Neets the product s		M 400% (, ,) , , , , , , , , , , , , , , , ,
Number of inputs (analog) Number of inputs (digital) A (parameterizable, 0 - 10 Y DC, Q4 - 20 mA) Number of outguits (digital) Number of outguits (digit	Braking torque	
Number of injust (digital) Number of routputs (analog) Number of routputs (digital) 1 Number of routputs (digital) 1 (parameterizable, NO, 6 A (250 V, AC-1)/5 A (30 V, DC-1)) Design verification Equipment heat dissipation, current-dependent Pvid 63 W Host dissipation propole, current-dependent Pvid 83 W Host dissipation propole, current-dependent Pvid 84 Number of routputs (analog) Number of routputs (analog) Nest dissipation propole, current-dependent Pvid 85 W Host dissipation propole, current-dependent Pvid 86 W 10.2.2 Corresion resistance 9 W 10.2.2 Corresion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist of insul, mat. to abnormal heat/fire by internal elect. offects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Litting 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 10.2.8 Despece of protection of assemblies 10.3 Despece of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Inscriptions 10.8 Connections for external conductors 10.9 Representation of the entire switchgear needs to be evaluated. 10.9 Inscriptions 10.9 Representation of sampling in the entire switchgear needs to be evaluated. 10.9 Inscriptions 10.9 Representation of switching devices and components 10.9 Representation of switching devices and components 10.9 Representation of switching devices and components 10.9 Representation of switching devices and connections 10.9 Representation of switching devices and components 10.9 Representation of the entire switchgear needs to be evaluated. 10.9 Representation of the entire switchgear needs to be evaluated. 10.1 Representation of the entire switchgear needs to be evaluated. 10.1 Representation of t	Control circuit	
Number of injust (digital) Number of routputs (analog) Number of routputs (digital) 1 Number of routputs (digital) 1 (parameterizable, NO, 6 A (250 V, AC-1)/5 A (30 V, DC-1)) Design verification Equipment heat dissipation, current-dependent Pvid 63 W Host dissipation propole, current-dependent Pvid 83 W Host dissipation propole, current-dependent Pvid 84 Number of routputs (analog) Number of routputs (analog) Nest dissipation propole, current-dependent Pvid 85 W Host dissipation propole, current-dependent Pvid 86 W 10.2.2 Corresion resistance 9 W 10.2.2 Corresion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist of insul, mat. to abnormal heat/fire by internal elect. offects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Litting 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 10.2.8 Despece of protection of assemblies 10.3 Despece of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Inscriptions 10.8 Connections for external conductors 10.9 Representation of the entire switchgear needs to be evaluated. 10.9 Inscriptions 10.9 Representation of sampling in the entire switchgear needs to be evaluated. 10.9 Inscriptions 10.9 Representation of switching devices and components 10.9 Representation of switching devices and components 10.9 Representation of switching devices and components 10.9 Representation of switching devices and connections 10.9 Representation of switching devices and components 10.9 Representation of the entire switchgear needs to be evaluated. 10.9 Representation of the entire switchgear needs to be evaluated. 10.1 Representation of the entire switchgear needs to be evaluated. 10.1 Representation of t	Number of inputs (analog)	2 (parameterizable, 0 - 10 V DC, 0/4 - 20 mA)
Number of outputs (adjotal) Number of outputs (digital) 1 (parameterizable, N/O, 6 A (250 V, AC-11/ 5 A (30 V, DC-11) Design verification Equipment hard dissipation, current-dependent Pvid Heat dissipation capacity Pdiss 0 W Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current dependent Pvis 10.2.2 Corrosion resistance Meets the product standard's requirements. 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of thermal stability of enclosures 10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (IUV) rediation 10.2.5 Lifting 10.2.5 Mechanical impact 10.2.5 Mechanical impact 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Fore-requency electric strength 10.9 Internal electrical circuits and connections 10.9 Internal electrica		* ' ' ' '
Number of outputs (digital) Number of rolay outputs Design verification Equipment heat dissipation, current-dependent Pvid Rated operational current for specified heat dissipation (in) Rated coperational current for specified heat dissipation (in) Rated coperational current for specified heat dissipation (in) Rated coperational current for specified heat dissipation (in) Rate dissipation, one-current-dependent Pvid OW Rated operational current for specified heat dissipation (in) Rate dissipation, one-current-dependent Pve OW Rets the product standard's requirements. Rets the product standard's requirements to be valuated. Rets the		
Design verification Equipment heat dissipation, current-dependent Pvid Bet dissipation, capacity Pdiss OW Retat dissipation capacity Pdiss OW Retat dissipation, non-current-dependent Pvid Retat dissipation, non-current-dependent Pvid Retat dissipation, non-current-dependent Pvis OW 10.22 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 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Sessist of insul, mat, to abnormal heat/fire by internal elect, effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Mechanical impact 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. 10.6 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. 10.9 2 Power-frequency electric strength Is the panel builder's responsibility. 10.9 2 Power-frequency electric strength Is the panel builder's responsibility. 10.9 1 Temperature rise The panel builder's responsibility. 10.10 Temperature rise The panel builder's responsibility. 10.10 Temperature rise The panel builder's responsibility. 10.11 Short-circuit rating 10.13 Mechanical function The device meets the requirements, provided the information in the instruction of the switchgear must be ob		
Design verification Equipment heat dissipation, current-dependent Pvid 63 W Heat dissipation capacity Pdiss 0W Heat dissipation capacity Pdiss 0W Heat dissipation capacity Pdiss 0W Rated operational current for specified heat dissipation (In) 7A Static heat dissipation, non-current-dependent Pvid 0W 10.22 Corrosion resistance Meets the product standard's requirements. 10.23.1 Verification of thermal stability of enclosures Meets the product standard's requirements. 10.23.2 Verification of resistance of insultating materials to normal heat Meets the product standard's requirements. 10.23.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 10.24 Resistance to ultra-violet (UV) radiation Meets the product standard's requirements. 10.25 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.27 Inscriptions Meets the product standard's requirements. 10.30 Begree 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 Power-frequency electric strength Is the panel builder's responsibility. 10.9 Power-frequency electric strength Is the panel builder's responsibility. 10.9 Power-frequency electric strength Is the panel builder's responsibility. 10.9 Power-frequency electric strength Is the panel builder's responsibility. 10.10 Temperature rise Temperature rise allowable of responsibility. 10.10 Temperature rise Temperature rise allowable of responsibility. 10.10 Temperature rise Temperature rise		1 (parameterizable, N/O, 6 A (250 V. AC-1) / 5 A (30 V. DC-1))
Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss OW Rated operational current for specified heat dissipation (In) 7 A Static heat dissipation, non-current-dependent Pvid Rated operational current for specified heat dissipation (In) 7 A Static heat dissipation, non-current-dependent Pvid Rest deperational current for specified heat dissipation (In) 10.2.2 Corrosion resistance Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. In Sincorporation of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. In Sincorporation of switching devices and components In Si		. (************************************
Heat dissipation capacity Pdiss Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) 7.A Static heat dissipation, non-current-dependent Pvs 0.W 10.22 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 10.2.3.3 Resist. of insul. mat. to abnormal heat/lire 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. 10.3.1 Princeriptions Meets the product standard's requirements. 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. 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise The panel builder's responsibility. 10.11 Short-circuit rating Ls the panel builder's responsibility. Is the panel builder's responsibility. 10.11 Electromagnetic compatibility Ls 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		62 1/1
Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (in) Static heat dissipation, non-current-dependent Pvs 0 W Meets the product standard's requirements. 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist of finsul, mat. to abnormal heat/fire by internal elect. 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. 10.2.7 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 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9 Improve the entire switchgear needs to be evaluated. 10.9 Internal electrical circuits and connections 10.9 Internal electrical circuits and connections 10.9 Internal electrical circuits and connections 10.1 Internal electrical circuits and connections 10.2 Internal electrical circuits and connections 10.3 Internal electrical circuits and connections 10.4 Dear power-frequency electric strength 10.5 Internal electrical circuits and connections 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 The panel builder's responsibility. 10.9 Internal electrical circuits and connections 10.1 Short-circuit rating 10.2 Electromagnetic compatibility 10.3 I		
Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs 0 W 10.22 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 10.2.3.3 Resists, 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. 10.2.7 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. 10.9.2 Power-frequency electric strength Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise The panel builder's responsibility. 10.11 Short-circuit rating Is the panel builder's responsibility. 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		
Static heat dissipation, non-current-dependent Pvs 10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resists. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.5 Lifting 10.2.5 Lifting 10.2.6 Meets the product standard's requirements. 10.2.1 Inscriptions 10.2.1 Inscriptions 10.3 Degree of protection of assemblies 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.1 Thermal electrical circuits and connections 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 Incorporation of switching devices and components 10.17 Internal electrical circuits and connections 10.18 Internal electrical circuits and connections 10.19 Internal electrical circuits and connections 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 Meets the product standard's requirements. 10.25 Meets the product standard's requirements. 10.26 Meets the product standard's requirements. 10.27 Incriptions Meets the product standard's requirements. 10.28 Devaluated. 10.30		
10.2.2 Corrosion resistance 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of thermal stability of enclosures 10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9 Power-frequency electric strength 10.9 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. In the panel builder's responsibility. The specifications for the switchgear must be observed. In the device meets the requirements, provided the information in the instruction		
10.2.3.1 Verification of thermal stability of enclosures 10.2.3.2 Verification of resistance of insulating materials to normal heat 10.2.3.2 Resists. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3.1 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Meets the product standard's requirements. 10.2 Meets the product standard's requirements. 10.2 Does not apply, since the entire switchgear needs to be evaluated. 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 to the panel builder's responsibility. 10.9 Power-frequency electric strength 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 Meets the product standard's requirements. 10.17 Meets the product standard's requirements. 10.18 Meets the product standard's requirements. 10.19 Meets the product standard's requirements. 10.25 Meets the product standard's requirements. 10.26 Meets the product standard's requirements. 10.27 Meets the entire switchgear meds to be evaluated. 10.28 Meets the product s		
10.2.32 Verification of resistance of insulating materials to normal heat 10.2.33 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.1 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections 1 Is the panel builder's responsibility. 10.9.2 Power-frequency electric strength 1 Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 1 Is the panel builder's responsibility. 10.10 Temperature rise 1 Is the panel builder's responsibility. 1 Is the panel builder's responsibility. 1 Is the panel builder's responsibility. 1 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 1 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 1 Is the panel builder's responsibility. The specifications for the switchgear must be observed.		· · ·
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. Is the panel builder's responsibility. The specifications for the switchgear must be observed. In the device meets the requirements, provided the information in the instruction of the device meets the requirements, provided the information in the instruction of the switchgear must be observed.		
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. 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. 10.9.2 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's responsibility. 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.	·	
10.2.5 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. 10.9.2 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's responsibility. 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.	· '	
10.2.6 Mechanical impact 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. 10.10 Temperature rise The panel builder is responsibility. 10.11 Short-circuit rating Is the panel builder's responsibility. 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		
10.27 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. In panel builder's responsibility. The specifications for the switchgear must be observed. In the panel builder's responsibility. The specifications for the switchgear must be observed.		· · · · · · · · · · · · · · · · · · ·
10.3 Degree of protection of assemblies 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. 10.9.1 Temperature rise Is the panel builder's responsibility. 10.9.2 Testing of enclosures made of insulating material Is the panel builder's responsibility. 10.10 Temperature rise The panel builder's responsibility. 10.11 Short-circuit rating Is the panel builder's responsibility. 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	·	· · · · · · · · · · · · · · · · · · ·
10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. 10 Does not apply, since the entire switchgear needs to be evaluated. Is the panel builder's responsibility. The panel builder is responsibility. Is the panel builder's responsibility. The specifications for the switchgear must be observed. In the device meets the requirements, provided the information in the instruction.	·	
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 responsibility 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 The device meets the requirements, provided the information in the instruction		
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 responsibility. 10.11 Short-circuit rating Is the panel builder is 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	, · ·	
10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Steppen builder's responsibility. 10.15 Is the panel builder's responsibility. 10.16 The panel builder's responsibility. 10.17 Internal electrical circuits and connections 10.18 the panel builder's responsibility. 10.19 Is the panel builder's responsibility. 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Electromagnetic compatibility 10.15 The device meets the requirements, provided the information in the instruction	·	
10.8 Connections for external conductors 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.14 Strength builder's responsibility. 11.15 Is the panel builder is responsibility. 12.16 Is the panel builder is responsibility. 13.17 Is the panel builder is responsibility. 14.18 Is the panel builder is responsibility. 15.19 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 16.19 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 17.19 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 18.10 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 19.10 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 19.11 Short-circuit rating 19.12 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 19.12 Electromagnetic compatibility. The specifications for the switchgear must be observed.		The state of the s
10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Is the panel builder's responsibility. Is the panel builder's responsibility. The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. 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		· · · · · · · · · · · · · · · · · · ·
10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Is the panel builder's responsibility. The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. 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		
10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise The panel builder's 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		
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		· · · · · · · · · · · · · · · · · · ·
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		
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		provide heat dissipation data for the devices.
observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	· ·	observed.
		observed.
	10.13 Mechanical function	

Low-voltage industrial components (EG000017) / Frequency converter =< 1 kV (EC001857)					
Electric engineering, automation, process control engineering / Electrical drive / Static fre	equency converte	er / Static frequency / Servo converter = < 1 kV (ecl@ss13-27-02-31-01 [AKE177019])			
Mains voltage	V	200 - 240			
Mains frequency		50/60 Hz			
Number of phases input		1			
Number of phases output		3			
Max. output frequency	Hz	500			
Max. output voltage	V	250			
Nominal output current I2N	А	7			
Max. output at quadratic load at rated output voltage	kW	1.5			
Max. output at linear load at rated output voltage	kW	1.5			
Power consumption	W	63			
Relative symmetric net frequency tolerance	%	10			
Relative symmetric net voltage tolerance	%	10			
Number of analogue outputs		1			
Number of analogue inputs		2			
Number of digital outputs		1			
Number of digital inputs		4			
With control element		Yes			
Application in industrial area permitted		Yes			
Application in domestic- and commercial area permitted		Yes			
Supporting protocol for TCP/IP		No			
Supporting protocol for PROFIBUS		No			
Supporting protocol for CAN		Yes			
Supporting protocol for INTERBUS		No			
Supporting protocol for ASI		No			
Supporting protocol for KNX		No			
Supporting protocol for Modbus		Yes			
Supporting protocol for Data-Highway		No			
Supporting protocol for DeviceNet		No			
Supporting protocol for SUCONET		No			
Supporting protocol for LON		No			
Supporting protocol for PROFINET IO		No			
Supporting protocol for PROFINET CBA		No			
Supporting protocol for SERCOS		No			
Supporting protocol for Foundation Fieldbus		No			
Supporting protocol for EtherNet/IP		Yes			
Supporting protocol for AS-Interface Safety at Work		No			
Supporting protocol for DeviceNet Safety		No			
Supporting protocol for INTERBUS-Safety		No			
Supporting protocol for PROFIsafe		No			
Supporting protocol for SafetyBUS p		No			
Supporting protocol for BACnet		No			
Supporting protocol for other bus systems		Yes			
Number of HW-interfaces industrial Ethernet		0			
Number of interfaces PROFINET		0			
Number of HW-interfaces RS-232		0			
Number of HW-interfaces RS-232		0			
Number of HW-interfaces RS-485		1			
Number of HW-interfaces N3-463		0			
Number of HW-interfaces Serial 1119 Number of HW-interfaces USB		0			
Number of HW-interfaces 05B Number of HW-interfaces parallel		0			
Number of HW-interfaces other		0			
With optical interface					
With PC connection		No Yes			
With 1 O confidence		163			

Integrated breaking resistance		No
4-quadrant operation possible		No
Type of converter		U converter
Degree of protection (IP)		IP20
Degree of protection (NEMA)		Other
Height	mm	184
Width	mm	81
Depth	mm	124