## **DATASHEET - DC1-124D3FN-A20CE1**



Variable frequency drive, 230 V AC, 1-phase, 4.3 A, 0.75 kW, IP20/NEMA 0, Radio interference suppression filter, FS1



Part no. DC1-124D3FN-A20CE1

185806

EL Number

4137007

ĺ	N	n	r۱	N	ล	ν
١		v		/ V	u	v

(Norway)	
General specifications	
Product name	Eaton DC1 Variable frequency drive
Part no.	DC1-124D3FN-A20CE1
EAN	4015081813056
Product Length/Depth	124 millimetre
Product height	184 millimetre
Product width	81 millimetre
Product weight	1.2 kilogram
Certifications	UkrSEPRO Safety requirements: IEC/EN 61800-5-1 Specification for general requirements: IEC/EN 61800-2 CE IEC/EN 61800-3 RCM UL report applies to both US and Canada CSA-C22.2 No. 14 UL 508C EAC UL CUL Certified by UL for use in Canada RoHS, ISO 9001 UL Category Control No.: NMMS, NMMS7 IEC/EN61800-5 UL File No.: E172143 IEC/EN61800-3
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
Features & Functions	
Features	Parameterization: drivesConnect Parameterization: drivesConnect mobile (App) Parameterization: Fieldbus Parameterization: Keypad
Fitted with:	Control unit Internal DC link IGBT inverter Radio interference suppression filter 7-digital display assembly PC connection Additional PCB protection
General information	
Cable length	50 m, screened, maximum permissible, Motor feeder 150 m, unscreened, with motor choke, maximum permissible, Motor feeder 100 m, screened, with motor choke, maximum permissible, Motor feeder C3 $\leq$ 25 m, Radio interference level, maximum motor cable length C1 $\leq$ 1 m, Radio interference level, maximum motor cable length C2 $\leq$ 5 m, Radio interference level, maximum motor cable length 75 m, unscreened, maximum permissible, Motor feeder
Communication interface	CANopen®, built in Modbus RTU, built in SmartWire-DT, optional OP-Bus (RS485), built in
Connection to SmartWire-DT	In conjunction with DX-NET-SWD3 SmartWire DT module Yes
Degree of protection	IP20 NEMA Other
Electromagnetic compatibility	1st and 2nd environments (according to EN 61800-3)
Frame size	FS1

Product category	Variable frequency drives
Protection	Finger and back-of-hand proof, Protection against direct contact (BGV A3, VBG4)
Protocol	MODBUS
	Other bus systems CAN
	EtherNet/IP
Radio interference class	C1: for conducted emissions only C2, C3: depending on the motor cable length, the connected load, and ambient
	conditions. External radio interference suppression filters (optional) may be
	necessary. 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	Above 1000 m with 1 % derating per 100 m Max. 4000 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	60 °C
Climatic proofing	< 95 average relative humidity (RH), no condensation, no corrosion
Main circuit	
Efficiency	93.9 % (ŋ)
Heat dissipation at current/speed	25 W at 25% current and 0% speed
	26 W at 25% current and 50% speed 26 W at 50% current and 0% speed
	29 W at 50% current and 50% speed
	32 W at 50% current and 90% speed 33 W at 100% current and 0% speed
	38 W at 100% current and 50% speed 43 W at 100% current and 90% speed
Input current ILN at 150% overload	7.5 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)
	U/f control Speed control with slip compensation
	BLDC motors PM motors
	Synchronous reluctance motors
Output frequency - min	0 Hz
Output frequency - max	500 Hz
Output voltage (U2)	240 V AC, 3-phase 230 V AC, 3-phase
Overload current IL at 150% overload	6.45 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)	4.3 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	0.75 kW
Rated operational voltage	230 V AC, 1-phase 240 V AC, 1-phase
Resolution	0.1 Hz (Frequency resolution, setpoint value)
Short-circuit protection rating	10 A, UL (Class CC or J), Safety device (fuse or miniature circuit-breaker), Power
	Wiring
Starting current - max	175 %, IH, max. starting current (High Overload), For 2.5 seconds every 600 seconds, Power section
Supply frequency	50/60 Hz
Switching frequency	8 kHz, 4 - 32 kHz adjustable (audible), fPWM, Power section, Main circuit
System configuration type	AC supply systems with earthed center point
Voltage rating - max	240 V

Assigned motor current Mar 1101/01 (API) (API) worksold Assigned motor current Mar 1201/01 (API) (API) (API) worksold Assigned motor current Mar 1201/01 (API) (API) (API) worksold Assigned motor current Mar 1201/01 (API) (API) (API) (API) Assigned motor power at 1201/01 (API) (API) (API) Assigned motor power at 1201/01 (API) Assig	Motor rating	
Assigned motor current Mai 128 - 240 V, 68 Mr, 190% everted  Assigned motor current Mai 128 - 240 V, 68 Mr, 190% everted  Assigned motor current Mai 128 V, 59 Mr, 190% everted  Assigned motor current Mai 124 V, 50 Mr, 190% everted  Assigned motor current Mai 124 V, 50 Mr, 190% everted  Assigned motor current Mai 124 V, 50 Mr, 190% everted  Assigned motor current Mai 124 V, 50 Mr, 190% everted  Assigned motor current Mai 124 V, 50 Mr, 190% everted  Assigned motor prover at 200 V (50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Assigned motor prover at 400 V, 50 Mr, 190% everted  Braining forces  Brai	Assigned motor current IM at 110/120 V, 60 Hz, 150% overload	4.2 A
Assigned motor current M at 200 V.50 Hz. 100% overlapd Assigned motor current M at 200 V.50 Hz. 100% overlapd Assigned motor growth M at 410 V.50 Hz. 100% overlapd Assigned motor growth 41 410 V.50 Hz. 100% overlapd Assigned motor growth 41 410 V.50 Hz. 100% overlapd Assigned motor growth 41 410 V.50 Hz. 1, phase Assigned motor growth 41 410 V.50 Hz. 1, phase Assigned motor growth 40 40 Hz. 10 Hz. Assigned motor growth 40 Hz. 10 Hz. Assigned motor growth 40 Hz. 10 Hz. Assigned motor growth 40 Hz. Ass	Assigned motor current IM at 115 V, 50 Hz, 150% overload	3.2 A
Assigned motor current M at 460 V.50 Hz, 190% everland Assigned motor current M at 460 V.50 Hz, 190% everland Assigned motor power at 1902 V.60 Hz, 1908 verland Assigned motor power at 1902 V.60 Hz, 1904 v.60 Hz,	Assigned motor current IM at 220 - 240 V, 60 Hz, 150% overload	4.2 A
Assipeed mater prover at 1921 M. 50 Hz. 1995 overload Assipeed mater prover at 1921 M. 50 Hz. 1-phose Assipeed mater prover at 2024 W. 50 Hz. 1-phose Assipeed mater prover at 2024 W. 50 Hz. 2-phose 1 HP Assipeed mater prover at 2004 W. 50 Hz. 3-phose Assipeed mater prover at 2004 W. 50 Hz. 3-phose Assipeed mater prover at 2004 W. 50 Hz. 3-phose Apparent prover at	Assigned motor current IM at 230 V, 50 Hz, 150% overload	3.2 A
Assigned mator power at 118/20 V. 60 Hz. 1-phase 11P Assigned mator power at 18/20 V. 60 Hz. 1-phase 11P Assigned mator power at 18/20 V. 60 Hz. 1-phase 11P Asparent power Apparent power Apparent power Apparent power Apparent power at 280 V Appar	Assigned motor current IM at 400 V, 50 Hz, 150% overload	3.2 A
Assigned motor prover at 2002AD V, 60 kr. 1-phaso Assigned motor power at 4004AD V, 60 kr. 2-phase Apparent power Apparent power Apparent power at 200 V Braking function Braking func	Assigned motor current IM at 440 - 480 V, 60 Hz, 150% overload	4.2 A
Assigned motor power at 450/480 V, 30 Hz. Sphase 1 HP  Aspirated power at 420 V 1.71 kVA Apparent power at 220 V 1.71 kVA Apparent power at 230 V 1.73 kVA Apparent power at 240 V 1.73 kVA  Braking function  Draking torque  Max. 10 % of rated operational current la , variable, DC - Main circuit Max. 20 % MK, Sandard - Main circuit  Number of request planking 1	Assigned motor power at 115/120 V, 60 Hz, 1-phase	1 HP
Apparent power at 280 V 173 I IV A Apparent power at 280 V 173 I IV A Braking function  Aware to suppose function  In Mancher of inputs (elipital)  Aware of unputs significant  I (parameterizable, 10 - 30 V DC)  Available of inputs (elipital)  I (parameterizable, NU, 8 A (250 V, AC-11/5 A 100 V, DC-10)  Braking function  Braking	Assigned motor power at 230/240 V, 60 Hz, 1-phase	1 HP
Apparent power at 230 V Braking furque Max. 190 % of rated operational current (is, variable, DC - Main circuit Max. 20 % Mol, Standard - Molin circuit  Control circuit  Number of inputs (equital) Number of inputs (equital) Number of inputs (equital) Number of outputs (equital) 1 Number of outputs (equita	Assigned motor power at 460/480 V, 60 Hz	1 HP
Apparent power at 230 V Braking furque Max. 190 % of rated operational current (is, variable, DC - Main circuit Max. 20 % Mol, Standard - Molin circuit  Control circuit  Number of inputs (equital) Number of inputs (equital) Number of inputs (equital) Number of outputs (equital) 1 Number of outputs (equita	Assigned motor power at 460/480 V, 60 Hz, 3-phase	1 HP
Apparent power at 280 V 1.78 kV.A Apparent power at 280 V 1.78 kV.A 1.78 kV.A 1.78 kV.A 1.78 kV.A 1.78 kV.A  Braking function  Braking function  Braking function  Control circuit  Number of inputs (analog)  Number of inputs (digital)  Number of oriputs (digital)  Number of relay outputs  Beasing verification  Equipment hat dissipation, current-dependent Prid  Host dissipation, capacity Pridice  Host dissipation, current-dependent Prid  Host dissipation, price current dependent Prid  Host dissipation part of them all stability of enclosures  Read operations current for specificial bast dissipation, non-current-dependent Prid  4.3.A  Static heat dissipation per pole, current-dependent Prid  1.78 kV.A  1.78 kV.A  1.78 kV.A  4.12 manuferrizable, N.O., S.A (250 V.AC-11/3 A (08 V.DC-11)  1.78 kV.A		
Braking function  Braking traque  Max 100 % of reted operational current lo, variable, DC - Main circuit  Max 100 % of reted operational current lo, variable, DC - Main circuit  Max 100 % of reted operational current lo, variable, DC - Main circuit  Max 100 % of reted operational current lo, variable, DC - Main circuit  Mumber of rinputs (digital)  Number of outputs (digital)  Number of outputs (digital)  Number of outputs (digital)  1 [quarameterizable, 10 - 30 V DC]  Number of outputs (digital)  1 [quarameterizable, NO, 8 A (250 V, AC-1) / 5 A (30 V, DC-1))  Design verification  Equipment heat dissipation, current-dependent Pvid  45.75 W  Heat dissipation capacity Pdias  Design verification  Read dissipation per pole, current-dependent Pvid  AST W  Heat dissipation per pole, current-dependent Pvid  OV  10.22 Corresion resistance  Meets the product standard's requirements.  10.23 Verification of thermal stability of enclosures  10.23 Verification of thermal stability of enclosures  10.23 Resistance for insulating materials to normal heat  10.23 Resistance for insulating materials to normal heat  10.23 Resistance for ultra-violet (IVI) radiation  10.24 Resistance to ultra-violet (IVI) radiation  10.25 Mechanical impact  10.26 Mechanical impact  10.27 Inscriptions  Meets the product standard's requirements.  10.28 Resistance for ultra-violet (IVI) radiation  10.29 Protection a giants electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.24 Corresion against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.25 Resistance for outpra-violet (IVI) radiation  10.26 Rechanical impact  10.27 Inscriptions  Meets the product standard's requirements.  10.28 Rechanical impact  10.29 Protection of assemblies  Does not apply, since the entire switchgear needs to be evaluated.  10.29 Rechanical impact  10.29 Rechanical impact  10.20 Rechanical impact  10.20 Rechanical impact and components  10.21 Inscriptions  Meets the product standard's requirements.  Doe		171 kV.Δ
Braking function  Braking function  Braking forque  Max. 100 % of rated operational current (e, variable, DC - Main circuit Max. 30 % MMX, Standard - Main circuit Max. 30 % MMX, Standard - Main circuit Max. 30 % MMX, Standard - Main circuit Mex. 30 % M	······	
Braking torque  Max. 10 % of reted operational current le, veriable, D.C. Main circuit  Mix. 30 % Mix. 30 % Mix. 30 mixtuel - Main circuit  Number of inputs (analog)  Number of inputs (digital)  Number of outputs (analog)  Number of outputs (digital)  Number of outputs (digita	., .	1.75 KV-M
Mex. 30 % MN, Standard - Main circuit  Number of inputs (analog)  Aumber of inputs (digital)  Number of outputs (digital)  Number of levely outputs  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  Net of the dissipation of per pole, current-dependent Pvid  Pate of dissipation current for specified heat dissipation (In)  Rated operational current for specified heat dissipation (In)  Rated operational current for specified heat dissipation (In)  Natic heat dissipation, current-dependent Pvi  Des of display (display of the dissipation (In)  Rated operational current for specified heat dissipation (In)  Rated operation of thermal stability of enclosures  Meets the product standard's requirements.  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  Notes the product standard's requirements.  Notes the pr		
Number of inputs (analog)  Number of inputs (digital)  A (parameterizable, 0 - 10 V DC, Q4 - 20 mA)  A (parameterizable, 10 - 30 V DC)  Number of outputs (digital)  Number of outputs (digita		
Number of imputs (digital)  Number of routputs (analog)  1   1   1   1   1   1   1   1   1   1	Control circuit	
Number of outputs (digital)  Number of roley outputs (digital)  1 (perameterizable, NVO, 6 A 1250 V, AC-1) / 5 A (30 V, DC-1))  Design verification  Equipment hast dissipation, current-dependent Pvid  Heat dissipation capacity Pdiss  DW  Heat dissipation per pole, current-dependent Pvid  A3 A  Static heat dissipation, non-current dependent Pvid  Bated operational current for specified heat dissipation (In)  3.3 A  Static heat dissipation, non-current-dependent Pvid  Weets the product standard's requirements.  10.2.3 I Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.2.3.1 Verification of resistance of insulating materials to normal heat  10.2.3 I Verification of resistance of insulating materials to normal heat  10.2.3 Resist. of insul. mut. to abnormal heat/fire by internal elect. effects  Meets the product standard's requirements.  10.2.4 Resistance to ultra-violet (UV) rediation  Does not apply, since the entire switchgear needs to be evaluated.  10.2.5 Union  10.2.5 Union  Moets the product standard's requirements.  10.3 Depre of protocion 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 Protocion ageinst electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.4 Clearances and creepage distances  Meets the product standard's requirements.  Does not apply, since the entire switchgear needs to be evaluated.  10.5 Protocion ageinst electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.6 Connections for external conductors  10.7 Internal electrical circuits and connections  Internal electrical electric strongth  10.8 Connections or external conductors  10.9 Internal electrical circuits and connections  10.9 Internal electrical circ	Number of inputs (analog)	2 (parameterizable, 0 - 10 V DC, 0/4 - 20 mA)
Number of outputs (digital)  Number of rolay outputs  Design verification  Equipment heat dissipation, current-dependent Pvid  Asta operation of percent dependent Pvid  Bett dissipation per pole, current-dependent Pvid  Asta doporational current for specified heat dissipation (In)  Static heat dissipation on current-dependent Pvid  Bated operational current for specified heat dissipation (In)  Static heat dissipation on current-dependent Pvid  But dest dissipation on current-dependent Pvid  Bated operational current for specified heat dissipation (In)  Static heat dissipation on current-dependent Pvid  But dest dissipation on current-dependent Pvid  But 22 Corrosion resistance  Meets the product standard's requirements.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont apply, since the entire switchgear needs to be evaluated.  Desen ont	Number of inputs (digital)	4 (parameterizable, 10 - 30 V DC)
Number of relay outputs  Design verification  Equipment heat dissipation, current-dependent Pvid  Heat dissipation apacity Pdiss  OW  Rated operational current of specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvis  OW  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.  10.2.3.2 Sessist of insul. mat. to abnormal heatfire 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 Clearences 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.  10.4 Clearences 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 Lepande builder's responsibility.  10.9 Protection against electric strength  Is the panel builder's responsibility.  10.9 Protection against electric strength  Is the panel builder's responsibility.  10.1 Temperature rise  The panel builder's responsibility.  10.2 Fleetomagnetic compatibility  Is the panel builder's responsibility.  10.1 Tempe	Number of outputs (analog)	1
Design verification  Equipment heat dissipation, current-dependent Pvid 45.75 W  Heat dissipation capacity Pdiss 0W  Heat dissipation per pole, current-dependent Pvid 0W  Rated operational current for specified heat dissipation (In) 4.3 A  Static heat dissipation, non-current-dependent Pvis 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 insulating materials to normal heat fine by internal elect. effects Meets the product standard's requirements.  10.23.8 Resist of insul. mat. to abmorable heaf 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.  10.3 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 Security of the entire switchgear needs to be evaluated.  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 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.  10.11 Short-circuit rating Is the panel builder's responsibility.  10.12 Electromagnetic compatibility Is the panel builder's responsibility.  10.13 Mechanical function The de	Number of outputs (digital)	1
Equipment heat dissipation, current-dependent Pvid  Heat dissipation, per pole, current-dependent Pvid  Ast desipation per pole, current-dependent Pvid  Ast desipation, per pole, current-dependent Pvid  Ast dissipation, per pole, current-dependent Pvid  Bated operational current for specified heat dissipation [In]  As A  Static heat dissipation, non-current-dependent Pvid  But dest dissipation for the termial stability of enclosures  But dest the product standard's requirements.  But dest the product standard's requirements and the standard's requirements and the product standard's requi	Number of relay outputs	1 (parameterizable, N/O, 6 A (250 V, AC-1) / 5 A (30 V, DC-1))
Heat dissipation capacity Pdiss  Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  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 tresistance 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.  10.2.7 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  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  Nectoricuit rating  Nectoricuit rating  Nectoricuits and connections for the switchgear must be observed.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction observed.	Design verification	
Heat dissipation per pole, current-dependent Pvid  Rated operational current for specified heat dissipation (n)  Static heat dissipation, non-current-dependent Pvs  0 W  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 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 insul, 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.  10.2.6 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  10.10 Temperature rise  The panel builder's responsibility.  10.11 Short-circuit rating  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	Equipment heat dissipation, current-dependent Pvid	45.75 W
Rated operational current for specified heat dissipation (In)  Static heat dissipation, non-current-dependent Pvs  0 W  10.22 Corrosion resistance  10.23.1 Verification of thermal stability of enclosures  Meets the product standard's requirements.  10.23.2 Verification of esistance of insulating materials to normal heat  10.23.3 Resists. of insul. mat. to abnormal heat/fire by internal elect. effects  10.24 Resistance to ultra-violet (UV) radiation  10.25 Lifting  10.25 Lifting  10.26 Mechanical impact  10.27 Inscriptions  10.30 Degree of protection of assemblies  10.30 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 Insulating of enclosures made of insulating material  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	Heat dissipation capacity Pdiss	0 W
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 Litting  10.2.5 Litting  10.2.5 Litting  10.2.7 Inscriptions  10.3.1 Sepre of protection of assemblies  10.3.2 Protection against electric shock  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 A Testing of enclosures made of insulating material  10.9 Temperature rise  10.11 Short-circuit rating  10.13 Mechanical function  10.13 Mechanical function  10.10 Temperature rise  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.13 Mechanical function  10.14 Electromagnetic compatibility  10.15 Integrate the product standard's requirements.  10.16 Meats the product standard's requirements.  10.8 Connections of switching devices and components  10.9 Protection against electric shock  10.9 Does not apply, since the entire switchgear needs to be evaluated.  10.17 Internal electrical circuits and connections  10.18 the panel builder's responsibility.  10.19 Temperature rise  10.19 Temperature rise  10.10 Temperature rise  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 Meats 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.  10.10 Meets the product standard's requirements.  10.10 Meets the product	Heat dissipation per pole, current-dependent Pvid	0 W
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  10.2.6 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.  In Internal electrical circuits and connections  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.	Rated operational current for specified heat dissipation (In)	4.3 A
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 Le panel builder's responsibility. 10.9 Power-frequency electric strength 10.9 Is the panel builder's responsibility. 10.9 Is the panel builder's responsibility. 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 requirement	Static heat dissipation, non-current-dependent Pvs	0 W
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.  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.	10.2.2 Corrosion resistance	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/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 10.9.1 Power-frequency electric strength 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.  Does not apply, since the entire switchgear needs to be evaluated.  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.  10.8 Connections for external conductors  Is the panel builder's responsibility.  10.9.2 Power-frequency electric strength  Is the panel builder's responsibility.  10.9.4 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  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements.  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	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
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  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.  10.9.2 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  10.10 Temperature rise  10.11 Short-circuit rating  Lis the panel builder's responsibility.  10.12 Electromagnetic compatibility  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction		
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.  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  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.  10.13 Mechanical function  The device meets the requirements, provided the information in the instruction	·	
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  Is the panel builder's responsibility. The specifications for the switchgear must be observed.  10.11 Short-circuit rating  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	· '	
10.2.6 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'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  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  10.3 Degree of protection of assemblies  10.4 Clearances and creepage distances  Meets the product standard's requirements.  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.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder's responsibility.  Is the panel builder's responsibility.  In panel builder's responsibility.  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	·	
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.  10.9.2 Power-frequency electric strength  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.  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.  Is the panel builder's responsibility.  Is the panel builder's responsibility.  The panel builder's responsibility.  Is the panel builder is 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.  10.6 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  10.13 Mechanical function  10.15 Protection against electric shock  Does not apply, since the entire switchgear needs to be evaluated.  10.16 entire switchgear needs to be evaluated.  10.17 Is the panel builder's responsibility.  10.18 Is 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 Edvice meets the requirements, provided the information in the instruction		11.1
10.6 Incorporation of switching devices and components  10.7 Internal electrical circuits and connections  1s the panel builder's responsibility.  10.8 Connections for external conductors  1s the panel builder's responsibility.  10.9.2 Power-frequency electric strength  1s the panel builder's responsibility.  10.9.3 Impulse withstand voltage  1s the panel builder's responsibility.  1o.9.4 Testing of enclosures made of insulating material  1s the panel builder's responsibility.  1o.10 Temperature rise  The panel builder is responsibility.  1o.11 Short-circuit rating  Is the panel builder is responsibility.  1s the panel builder is responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.  1s the panel builder's responsibility. The specifications for the switchgear must be observed.	· ·	
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 The panel builder's responsibility.  10.10 Temperature rise  10.11 Short-circuit rating  10.12 Electromagnetic compatibility  10.13 Mechanical function  10.14 Every eneets 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's responsibility.  12.16 Is the panel builder is responsibility.  13.17 The panel builder is responsibility.  14.18 The panel builder is responsibility. The specifications for the switchgear must be observed.  15.19 The panel builder's responsibility. The specifications for the switchgear must be observed.  16.19 The device meets the requirements, provided the information in the instruction		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  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  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.  10.13 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		
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		· · · · · ·
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.
	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function	

Low-voltage industrial components (EG000017) / Frequency converter =< 1 kV (EC001857)		
Electric engineering, automation, process control engineering / Electrical drive / Static free	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	4.3
Max. output at quadratic load at rated output voltage	kW	0.75
Max. output at linear load at rated output voltage	kW	0.75
Power consumption	W	45.75
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  Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-422  Number of HW-interfaces RS-485		1
Number of HW-interfaces ns-465  Number of HW-interfaces serial TTY		0
Number of HW-interfaces USB		0
Number of HW-interfaces parallel		0
Number of HW-interfaces other  With actival interfaces		0 No.
With optical interface  With PC connection		No Voc
With PC connection		Yes

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