Main switch, T0, 20 A, surface mounting, 4 contact unit(s), 8-pole, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position



Part no. T0-4-8344/I1/SVB 207163

Product name	Eaton Moeller® series TO Main switch
Part no.	T0-4-8344/11/SVB
EAN	4015082071639
Product Length/Depth	137 millimetre
Product height	130 millimetre
Product width	80 millimetre
Product weight	0.389 kilogram
Certifications	IEC/EN 60204
oei ulivations	IEC/EN 60947-3 IEC/EN 60947 VDE 0660
Product Tradename	ТО
Product Type	Main switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
atures & Functions	
Features	Version as maintenance-/service switch Version as emergency stop installation Version as main switch
Fitted with:	Red rotary handle and yellow locking ring
Functions	Interlockable Emergency switching off function
Locking facility	Lockable in the 0 (Off) position
Number of poles	8
eneral information	
Degree of protection	NEMA 12
Degree of protection (front side)	IP65
Lifespan, mechanical	400,000 Operations
Mounting method	Surface mounting
Mounting position	As required
Number of contact units	4
Operating frequency	1200 Operations/h
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6000 V AC
Safe isolation	440 V AC, Between the contacts, According to EN 61140
Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 m
Suitable for	Ground mounting
Switching angle	90 °
imatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	40 °C
Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max	40 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30

Terminal capacity	$1 \times (0.75 - 2.5) \text{ mm}^2$, flexible with ferrules to DIN 46228 $2 \times (0.75 - 2.5) \text{ mm}^2$, flexible with ferrules to DIN 46228 $1 \times (1 - 2.5) \text{ mm}^2$, solid or stranded $2 \times (1 - 2.5) \text{ mm}^2$, solid or stranded
Screw size	M3.5, Terminal screw
Tightening torque	8.8 lb-in, Screw terminals 1 Nm, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	100 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	110 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	80 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	60 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	11.5 A
Rated operational current (le) at AC-3, 380 V, 400 V, 415 V	11.5 A
Rated operational current (Ie) at AC-3, 500 V	9 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	4.9 A
Rated operational current (Ie) at AC-21, 440 V	20 A
Rated operational current (Ie) at AC-23A, 230 V	13.3 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V $$	13.3 A
Rated operational current (Ie) at AC-23A, 500 V	13.3 A
Rated operational current (le) at AC-23A, 690 V	7.6 A
Rated operational current (Ie) at DC-1, load-break switches $I/r = 1 \text{ ms}$	10 A
Rated operational current (Ie) at DC-13, control switches $L/R = 50 \text{ ms}$	10 A
Rated operational current (le) at DC-21, 240 V	1 A
Rated operational current (le) at DC-23A, 24 V	10 A
Rated operational current (Ie) at DC-23A, 48 V	10 A
Rated operational current (Ie) at DC-23A, 60 V	10 A
Rated operational current (Ie) at DC-23A, 120 V	5 A
Rated operational current (Ie) at DC-23A, 240 V	5 A
Rated operational current (Ie) star-delta at AC-3, 220/230 V	20 A
Rated operational current (le) star-delta at AC-3, 380/400 V	20 A
Rated operational current (le) star-delta at AC-3, 500 V	15.6 A
Rated operational current (le) star-delta at AC-3, 690 V	8.5 A
Rated operational power at AC-3, 380/400 V, 50 Hz	5.5 kW
Rated operational power at AC-3, 415 V, 50 Hz	5.5 kW
Rated operational power at AC-3, 500 V, 50 Hz	5.5 kW
Rated operational power at AC-3, 690 V, 50 Hz	4 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	3 kW
Rated operational power at AC-23A, 400 V, 50 Hz	5.5 kW
Rated operational power at AC-23A, 500 V, 50 Hz	7.5 kW
Rated operational power at AC-23A, 690 V, 50 Hz	5.5 kW
Rated operational power star-delta at 220/230 V, 50 Hz	5.5 kW
Rated operational power star-delta at 380/400 V, 50 Hz	7.5 kW
Rated operational power star-delta at 500 V, 50 Hz	7.5 kW
Rated operational power star-delta at 690 V, 50 Hz	5.5 kW
Rated uninterrupted current (Iu)	20 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Rated conditional short-circuit current (Iq)	6 kA
Rated short-time withstand current (Icw)	0.32 kA 320 A, Contacts, 1 second
Short-circuit protection rating	20 A gG/gL, Fuse, Contacts
Switching capacity	
Load rating	1.6 x l# (with intermittent operation class 12, 40 % duty factor) 1.3 x l# (with intermittent operation class 12, 60 % duty factor) $2 \times l$ # (with intermittent operation class 12, 25 % duty factor)
Number of contacts in series at DC-21A, 240 V	1
Number of contacts in series at DC-23A, 24 V	1

Interpret 100,000 switching operations statistically determined, at 24 V DC, 10 mA Number of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Number of auxiliary contacts (normally open contacts) 0 Number of auxiliary contacts (normally open contacts) 0 Actuator Actuator Red		
Number of contacts in series at DC 23A, 26 V Nember of commets in series at DC 23A, 26 V Retail and comments in series at DC 23A, 26 V Votage per contact pair in series Contract creat relability Contract relability I failure per 100,000 evitiching operations statistically determined, at 24 V DC, 10 mA) Number of auxiliary contacts (change-over contacts) Number of auxiliary contac	Number of contacts in series at DC-23A, 48 V	2
Number of contacts in series at DC-23A, 240 V Bated mixing capacity up tis 6BV (xos pits to IECVIN 60947-31	Number of contacts in series at DC-23A, 60 V	3
Reaced making capacity up to 590 V (case pin to IEC/EN 62947-5) Voltage per context pair in series Control circuit reliability Number of auxiliary contracts (change ever contracts) Actuator color Actuator to dex (change ever contracts) Actuator to develop ever contracts (change eve	Number of contacts in series at DC-23A, 120 V	3
Voltage per contact pair in series Control circuit reliability Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) Rad Actuator Culturator Actuator Culturator Actuator Culturator Band Culturator Control circuit reliability Actuator Culturator Rad Door coupling retary drive Door Coupling retary drive Dosign verification Equipment heat dissipation, current-dependent Pvd Do W Heat dissipation, pay pole, current-dependent Pvd Do W Heat dissipation, pay pole, current-dependent Pvd Do W Heat dissipation, non-current-dependent Pvd Do W 12.2 Corrosion resistance Meets the product standard's requirements. Meets the p	Number of contacts in series at DC-23A, 240 V	5
Contacts Coerrol circuit relability Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) O Number of auxiliary contacts (normally closed contacts) Actuator color Actuator type Door coupling rotary drive Doseign verification Equipment heat dissipation, current-dependent Pvid Dos W Heat dissipation per pile, current-dependent Pvid Dos W Heat dissipation per pile, current-dependent Pvid Dos W Heat dissipation non-current-dependent Pvid Dos W Heat dissipation, non-current-dependent Pvid Dos Not better the product standard's requirements. Ut resistance only in connection which protective shield. Dos not apply, since the entire avvitcheper needs to be avaluated. Dos not apply, since the entire avvitcheper needs to be avaluated. Dos not apply, since the entire avvitcheper needs to be avaluated. Dos not apply, since the entire avvitcheper needs to be avaluated. Dos not apply, since the entire avvitcheper needs to be avaluated. Heat the panel builder's responsibility. Heat device needs the requirements.	Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	130 A
Control circuit reliability 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA) Number of auxiliary centacts (change-over contacts) 0 0 Number of auxiliary centacts (normally clased contacts) 0 0 Number of auxiliary centacts (normally clased contacts) 0 0 Actuator Actuator Actuator color Actuator type Dosign verification Equipment head dissipation, current-dependent Pvid Equipment dissipation, current-dependent Pvid Explained operational current-dependent Pvid Bated operational current for specified head dissipation (in) State head dissipation, one-current-dependent Pvid Bated operational current for specified head dissipation (in) State head dissipation, one-current-dependent Pvid Dow W 10.2.2 Corrosion resistance Meets the product standard's requirements. 10.2.3 Nesist of insul. mat. to abnormal heat/fire by internal elect. effects Meets the product standard's requirements. 10.2.3 Stesistance to ultra-violet (IVI) radiation Ul resistance only in connection with protective shield. Ul resistance only in connection with protective shield. 10.2.5 Lifting Does not apply, since the entire switchpear needs to be evaluated. 10.2.5 Lifting conferences and creepage distances Meets the product standard's requirements. 10.3 Degree of protection of assembles Does not apply, since the entire switchpear 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 switchpear needs to be evaluated. 10.6 Clearances and creepage distances Meets the product standard's requirements. 10.7 Internal electric shock Does not apply, since the entire switchpear needs to be evaluated. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9 Protection against electric shock 10.1 Temperature rise The panel builder's responsibility. 10.9 A Testing of enclosurers made of insulating material 10.10 Temperature rise Th	Voltage per contact pair in series	60 V
Multiper of auxiliary contacts (change-ever contacts) Number of auxiliary contacts (normally open contacts) O Cactuator Actuator of Actuator type Design varification Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss Read dissipation capacity Pdiss O W Retad dissipation capacity Pdiss Read dissipation capacity Pdiss O W Retad dissipation capacity Pdiss Read dissipation capacity Pdiss O W Retad dissipation capacity Pdiss Read dissipation of Presidence Providence Pro	Contacts	
Number of auxiliary contacts (normally open contacts) Number of auxiliary contacts (normally open contacts) Actuator Red Actuator over Actuator over Actuator type Design verification Equipment heat dissipation, current-dependent Pvid Ret dissipation expacity Pdiss Heat dissipation per pole, current-dependent Pvid Ret do operational current for specified heat dissipation (paper) Ret do operational current for specified heat dissipation (n) State heat dissipation, non-current-dependent Pvid Ret do operational current for specified heat dissipation (n) State heat dissipation, non-current-dependent Pvis 10.2.2 I Verification of tresitance of insulating materials to normal heat 10.2.2.1 Verification of resistance of insulating materials to normal heat 10.2.2.2 I Verification of resistance of insulating materials to normal heat 10.2.2 Resistance of univarient edition (Vir adiation) 10.2.2 Resistance of univarient edition (Vir adiation) 10.2.2 I Resistance of insulating materials to normal heat 10.2.3 Resistance of insulating materials to normal heat 10.2.4 Resistance of univarient edition (Vir adiation) 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. 10.2.8 Deepen of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.3 Deepen 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 apainst electric schock Does not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching divices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Sense of popy, since the entire switchgear needs to be evaluated. 10.9 Sense of popy, since the entire switchgear needs to be evaluated. 10.9 Sense of popy, since the entire switchgear need	Control circuit reliability	
Number of auxiliary contacts (normally open contacts) Actuator Color Actuator color Actuator color Actuator type Door coupling rotary drive Equipment heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation per polie, current-dependent Pvid Heat dissipation per polie, current-dependent Pvid Bated operational current for specified heat dissipation (In) Static heat dissipation current dependent Pvis Heat dissipation non-current-dependent Pvis Heat dissipation non-current-dependent Pvis Heat dissipation non-current-dependent Pvis Heat dissipation on current-dependent Pvis Heat dissipation on current-dependent Pvis Heat dissipation on concurrent dependent Pvis Heat dissipation of thermal stability of enclosures Heat dissipation of the device and rect requirements. Heat dissipation of the entries with dependent and enclosurements. Heat dissipation of with protective shield. Does not apply, since the entries with depen needs to be evaluated. Heat dissipation data requirements. Heat dissipation data requirements are deviced and requir	Number of auxiliary contacts (change-over contacts)	0
Actuator color Actuator type Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Bated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid Bated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid Bated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid Bated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid Bated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid Bated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvid Bated dissipation of sequirements. Does not apply, since the entire switchgear needs to be evaluated. Bated dissipation of switching devices and components Bated di	Number of auxiliary contacts (normally closed contacts)	0
Actuator color Actuator type Design verification Equipment heat dissipation, current-dependent Pvid Asta dissipation per pole, current-dependent Pvid Rated operational current for 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 Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs U2.2 Corrosion resistance 102.3.1 Verification of thermal stability of enclosures 102.3.2 Verification of thermal stability of enclosures 102.3.3 Verification of resistance of insulating materials to normal heat 102.3.3 Resist of insul- mat. to abnormal heat/fire by internal elect. effects 102.4 Resistance to ultra-violet (IV) radiation 102.5 Iufinia 102.5 Mechanical impact 102.6 Mechanical impact 102.7 inscriptions 103.1 Degree of protection of assemblies 104.4 Clearances and creepage distances 105.9 Protection against electric shock 105.9 protection against electric shock 106.9 cons paphy, since the entire switchgear needs to be evaluated. 105.1 Protection against electric shock 106.8 Incorporation of switching devices and components 107. Internal electrical circuits and connections 108.1 Incorporation of overtral conductors 109.8 Connections for external conductors 109.8 Incorporation of switching devices and components 109.1 Internal electrical circuits and connections 109.2 Power-frequency electric strength 109.3 Impulse withstand voltage 109.4 Is the panel builder's responsibility. 109.4 Is the panel builder's responsibility. 109.5 Impure the entire switchgear needs to be evaluated. 109.6 Internal electrical circuits and connections 109.7 Internal electrical circuits and connections 109.8 Connections for external conductors 109.8 Connections for external con	Number of auxiliary contacts (normally open contacts)	0
Design verification Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pfdiss Heat dissipation propel, current-dependent Pvid Heat dissipation propel, current-dependent Pvid Heat dissipation propel, current-dependent Pvid Retade dissipation, non-current-dependent Pvid Retade dissipation, non-current-dependent Pvid Retade dissipation, non-current-dependent Pvis Retade dissipation, non-current-dependent Pvis Retade dissipation of thermal stability of enclosures Weets the product standard's requirements. 102.3 Verification of thermal stability of enclosures Meets the product standard's requirements. 102.3.3 Resists, of insul. mat. to abnormal heat/fire by internal elect. effects 102.4 Resistance to ultra-violet (UV) radiation 102.5 Uvrasistance to ultra-violet (UV) radiation 102.5 Iding 102.6 Mechenical impact 102.6 Mechenical impact 102.7 Inscriptions Meets the product standard's requirements. 103.0 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 104.1 Clearances and creepage distances Meets the product standard's requirements. 105. Protection against electric shock 105. Incorporation of switching devices and components 106. Fonceproteins of switching devices and components 107. Internal electrical circuits and connections 108. Incorporation of switching devices and components 109. Protection against electric strength 109. I steep and builder's responsibility. 109. I protection against electric strength 109. I	Actuator	
Equipment heat dissipation, current-dependent Pvid 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 10.2.2 Corrosion resistance Meets the product standard's requirements. 102.3.1 Verification of themal stability of enclosures Meets the product standard's requirements. 102.3.2 Verification of resistance of insulating materials to normal heat 102.3.2 Verification of resistance of insulating materials to normal heat 102.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 102.4 Resistance to ultra-violet (IVI) radiation 102.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 102.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 102.7 Inscriptions Meets the product standard's requirements. 10.8 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.9 Degree of protection of assemblies Meets the product standard's requirements. 10.9 Degree of protection of assemblies Meets the product standard's requirements. 10.9 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.9 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.9 Internal electrics shock Does not apply, since the entire switchgear needs to be evaluated. 10.9 Internal electrics all circuits and connections Is the panel builder's responsibility. 10.9 Internal electrics all circuits and connections Is the panel builder's responsibility. 10.9 Internal electrics all circuits and connections Is the panel builder's responsibility. 10.9 Internal electrics all circuits and connections Is the panel builder's responsibility. 10.9 Internal electrics all circuits and connections Is the panel builder's responsibility. 10.9 Internal electrics all circuits and connections Is the panel builder	Actuator color	Red
Reat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss Ret doperational current for specified heat dissipation (In) Static heat dissipation, per pole, current-dependent Pvid Ret doperational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs 10.2.2 Corrosion resistance Meets the product standard's requirements. Weets the product standard's requirements. UV resistance only in connection with protoctive shield. UV resistance only in connection with protoctive shield. 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. 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 list for papely, since the entire switchgear needs to be evaluated. In list for panel builder's responsibility. In step panel	Actuator type	Door coupling rotary drive
Heat dissipation capacity Pdiss Heat dissipation per pole, current-dependent Pvid 0.6 W Rated operational current for specified heat dissipation (In) 20 A 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 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 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Inscriptions Meets the product standard's requirements. 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 10.7 Internal electrical circuits and connections 10.8 Incorporation of switching devices and components 10.9 Connections for external conductors 10.9 Connections for external conductors 10.9 Internal electrical circuits and connections 10.9 Internal	Design verification	
Heat dissipation per pole, current-dependent Pvid Rated operational current for specified heat dissipation (In) Static heat dissipation, non-current-dependent Pvs 10.2.2 Corrosion resistance Meets the product standard's requirements. Meets the product standard's requirements. 10.2.3.1 Verification of tremal 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/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. 10.2.7 Inscriptions Meets the product standard's requirements. 10.2.8 Mechanical impact Does not apply, since the entire switchgear needs to be evaluated. 10.2.7 Inscriptions 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 10.8 Connections for external conductors 10.9 Internal electrical circuits and connections 10.9 Internal electrica	Equipment heat dissipation, current-dependent Pvid	0.6 W
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 Resist. 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 UV resistance only in contion with protective shield. 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. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9 Power-frequency electric strength Is the panel builder's responsibility. 10.9.4 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	Heat dissipation capacity Pdiss	0 W
Static heat dissipation, non-current-dependent Pvs 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 10.2.3.3 Resist. 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 UV resistance only in connection with protective shield. 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. 10.8 Connections for external conductors Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 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. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	Heat dissipation per pole, current-dependent Pvid	0.6 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 10.2.3.3 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 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.5 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Ower-frequency electric strength 10.9 Power-frequency electric strength 10.9 The panel builder's responsibility. 10.9 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 Electromagnetic compatibility 10.15 Mechanical function 10.16 Incorporation of switching the vice in the panel builder's responsibility. The specifications for the switchgear must be observed. 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.14 Mechanical function 10.15 Mechanical function 10.16 Mecropation of the switchgear must be observed. 10.17 Deferments the product standard's requirements. 10.18 Meets the product standard's requirements. 10.19 Meets the product standard's requirements. 10.19 Meets the product standard's requirements. 10.10 Temperature rise 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. 10.15 Meets the product standard's requirements. 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	Rated operational current for specified heat dissipation (In)	20 A
Meets the product standard's requirements. 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 10.3.2 operated of protection of assemblies 10.3.2 operated of protection of assemblies 10.3.3 pegree 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 10.9.4 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 Meets the product standard's requirements. 10.2 Product standard's requirements. 10.3 Dees not apply, since the entire switchgear needs to be evaluated. 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 10.1 She panel builder's responsibility. 10.2 Power-frequency electric strength 10.1 She panel builder's responsibility. 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 Meets the product standard's requirements. 10.16 Meets the product standard's requirements. 10.17 Meets the product standard's requirements. 10.18 Meets the product standard's requirements. 10.2 Meets the product standard's requirements. 10.2 Meets the product standard's requirements. 1	Static heat dissipation, non-current-dependent Pvs	0 W
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 10.4 Clearances and creepage distances 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 Opes not apply, since the entire switchgear needs to be evaluated. 10.7 Internal electrical circuits and connections 10.8 St the panel builder's responsibility. 10.9 Power-frequency electric strength 10.9 Is the panel builder's responsibility. 10.9.4 Testing of enclosures made of insulating material 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10.13 Mechanical function 10.13 Mechanical function 10.14 Meeting the product standard's requirements. 10.15 Metanical function 10.15 Metanical function 10.16 Incorporation of switching devices and components 10.16 Incorporation of switching devices and components 10.17 Internal electrical circuits and connections 10.18 Is the panel builder's responsibility. 10.19 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 10.14 Mechanical function 10.15 Mechanical function 10.16 Metanical function 10.16 Metanical function 10.17 Metanical function 10.18 Metanical function 10.19 Temperature rise provided the information in the instruction	10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3. 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 10.9.4 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. 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 device meets the requirements, provided the information in the instruction of 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 temperature ris	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
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 10.9.2 Power-frequency electric strength 10.9.3 Impulse withstand voltage 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 10 Does not apply, since the entire switchgear needs to be evaluated. 10 Does not apply, since the entire switchgear needs to be evaluated. 10.6 Incorporation of switching devices and components 10.6 Incorporation of switching devices and components 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.1 Incorporation of switching devices and connections 10.9 In the panel builder's responsibility. 10.9 In the panel builder's responsibility. 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function 10 The device meets the requirements, provided the information in the instruction	10.2.3.2 Verification of resistance of insulating materials to normal heat	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 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	10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.6 Mechanical impact 10.2.7 Inscriptions Meets the product standard's requirements. 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. 10.9.3 Impulse withstand voltage Is the panel builder's responsibility. 10.10 Temperature rise 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. 10.12 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	UV resistance only in connection with protective shield.
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 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. 10.10 Temperature rise 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.
10.3 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 Power-frequency electric strength Is the panel builder's responsibility. 10.9.2 Fower-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 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	Does not apply, since the entire switchgear needs to be evaluated.
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. 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's responsibility. The specifications for the switchgear must be observed. Is the panel builder's responsibility. The specifications for the switchgear must be observed. The device meets the requirements, provided the information in the instruction	10.2.7 Inscriptions	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 10.14 Mechanical function 10.15 Protection against electric switchgear needs to be evaluated. 10.16 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 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 Edevice meets the requirements, provided the information in the instruction	10.3 Degree of protection of assemblies	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 10.14 Mechanical function 10.15 Internal electrical circuits and connections 10.16 Is the panel builder's responsibility. 10.17 Is not apply, since the entire switchgear needs to be evaluated. 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 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 It has panel builder's responsibility. The specifications for the switchgear must be observed. 10.15 It has panel builder's responsibility. The specifications for the switchgear must be observed. 10.16 Internal electrical circuits and connections 10.17 Internal electrical circuits and connections 10.18 Is the panel builder's responsibility. 10.19 It has panel builder's responsibility. The specifications for the switchgear must be observed. 10.19 It has panel builder's responsibility. The specifications for the switchgear must be observed.	10.4 Clearances and creepage distances	Meets the product standard's requirements.
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 responsibile 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	10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
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 10.18 the panel builder's responsibility. 11.19 Is the panel builder's responsibility. 12.11 Short-circuit rating 13.12 Electromagnetic compatibility 14.15 Is the panel builder's responsibility. The specifications for the switchgear must be observed. 15.16 The panel builder's responsibility. The specifications for the switchgear must be observed. 16.11 Short-circuit rating 17.12 Electromagnetic compatibility 18.14 Electromagnetic compatibility 19.15 The specifications for the switchgear must be observed. 10.11 Mechanical function 10.12 Electromagnetic compatibility 10.13 Mechanical function	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
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 is responsibility. The panel builder is responsibility. The specifications for the switchgear must be observed. Is the panel builder's responsibility. The specifications for the switchgear must be observed. The device meets the requirements, provided the information in the instruction	10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
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	10.8 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 is responsibility. The panel builder is responsibility for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. 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	10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.10 Temperature rise The panel builder is responsible for the temperature rise calculation. Eaton 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	10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
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	10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
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	· · · · · · · · · · · · · · · · · · ·
observed. 10.13 Mechanical function The device meets the requirements, provided the information in the instruction	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	·

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Switch disconnector (low voltage) (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03 [AKF060018])

[AKF060018])			
Version as main switch	Yes		
Version as maintenance-/service switch	Yes		
Version as safety switch	No		
Version as emergency stop installation	Yes		
Version as reversing switch	No		
Number of switches	1		

Max. rated operation voltage Ue AC	V	'	
Rated operating voltage	V	,	1000 - 1000
Rated permanent current lu	А	١	20
Rated permanent current at AC-23, 400 V	А	١	13.3
Rated permanent current at AC-21, 400 V	А		20
Rated operation power at AC-3, 400 V	kV	W	5.5
Rated short-time withstand current lcw	k.A	Α	0.32
Rated operation power at AC-23, 400 V	kV	W	5.5
Switching power at 400 V	kV	W	5.5
Conditioned rated short-circuit current Iq	k#	Α	6
Number of poles			8
Number of auxiliary contacts as normally closed contact			0
Number of auxiliary contacts as normally open contact			0
Number of auxiliary contacts as change-over contact			0
Motor drive optional			No
Motor drive integrated			No
Voltage release optional			No
Device construction			Complete device in housing
Suitable for floor mounting			Yes
Suitable for front mounting 4-hole			No
Suitable for front mounting centre			No
Suitable for distribution board installation			No
Suitable for intermediate mounting			No
Colour control element			Red
Type of control element			Door coupling rotary drive
Interlockable			Yes
Type of electrical connection of main circuit			Screw connection
With pre-assembled cabling			No
Degree of protection (IP), front side			IP65
Degree of protection (NEMA)			12
Width	m	nm	80
Height	m	nm	130
Depth	m	nm	137
Width in number of modular spacings			