## On-Off switch, T0, 20 A, rear mounting, 2 contact unit(s), 3 pole, with black thumb grip and front plate



T0-2-1/Z Part no.

	EL Number (Norway)	036504 1417035
General specifications		
Product name		

General specifications	
Product name	Eaton Moeller® series T0 On-Off switch
Part no.	T0-2-1/Z
EAN	4015080365044
Product Length/Depth	128 millimetre
Product height	48 millimetre
Product width	48 millimetre
Product weight	0.134 kilogram
Certifications	UL 60947-4-1 CSA-C22.2 No. 60947-4-1-14 CSA Class No.: 3211-05 UL Category Control No.: NLRV UL File No.: E36332 CSA-C22.2 No. 94 IEC/EN 60947 UL IEC/EN 60947-3 CSA File No.: 012528 IEC/EN 60204 VDE 0660 CSA CE UL CSA
Product Tradename	то
Product Type	On-Off switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
Features & Functions	
Fitted with:	Black thumb grip and front plate
Inscription	0-1
Number of poles	3
General information	
Degree of protection	NEMA 12
Degree of protection (front side)	IP65
Lifespan, mechanical	400,000 Operations
Mounting method	Rear mounting
Mounting position	As required
Number of contact units	2
Operating frequency	1200 Operations/h
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp) Safe isolation	6000 V AC  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 ms
Suitable for	Ground mounting Intermediate mounting Branch circuits, suitable as motor disconnect, (UL/CSA)
Switching angle	90 °
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	50 °C
Ambient operating temperature (enclosed) - min	-25 °C

Ambient operating temperature (enclosed) - max	40 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78  Damp heat, cyclic, to IEC 60068-2-30
erminal capacities	
Terminal capacity	1 x (1 - 2.5) mm², solid or stranded $2 \times (1 - 2.5)$ mm², solid or stranded $1 \times (0.75 - 2.5)$ mm², flexible with ferrules to DIN 46228 $2 \times (0.75 - 2.5)$ mm², flexible with ferrules to DIN 46228 $18 - 14$ AWG, solid or flexible with ferrule
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 (le) at AC-3, 220 V, 230 V, 240 V	11.5 A
Rated operational current (Ie) 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 (Ie) at AC-23A, 690 V	7.6 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	10 A
Rated operational current (Ie) at DC-13, control switches L/R = 50 ms	10 A
Rated operational current (Ie) at DC-21, 240 V	1 A
Rated operational current (Ie) 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 (Ie) star-delta at AC-3, 380/400 V	20 A
Rated operational current (Ie) 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 operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	20 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
hort-circuit rating	
Rated conditional short-circuit current (Iq)	6 kA
Rated short-time withstand current (Icw)	320 A, Contacts, 1 second
	0.32 kA

	5 kA, SCCR (UL/CSA)
Short-circuit current rating (high fault)	10 kA, SCCR (UL/CSA) 20 A, Class J, max. Fuse, SCCR (UL/CSA)
Short-circuit protection rating	20 A gG/gL, Fuse, Contacts
Switching capacity	
Load rating	2 x I# (with intermittent operation class 12, 25 % duty factor) 1.6 x I# (with intermittent operation class 12, 40 % duty factor) 1.3 x I# (with intermittent operation class 12, 60 % duty factor)
Number of contacts in series at DC-21A, 240 V	1
Number of contacts in series at DC-23A, 24 V	1
Number of contacts in series at DC-23A, 48 V	2
Number of contacts in series at DC-23A, 60 V	3
Number of contacts in series at DC-23A, 120 V	3
Number of contacts in series at DC-23A, 240 V	5
Switching capacity (main contacts, general use)	16 A, Rated uninterrupted current max. (UL/CSA)
Switching capacity (auxiliary contacts, general use)	10A, IU, (UL/CSA)
Switching capacity (auxiliary contacts, pilot duty)	P300 (UL/CSA) A600 (UL/CSA)
Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	130 A
Voltage per contact pair in series	60 V
Motor rating	
Assigned motor power at 115/120 V, 60 Hz, 1-phase	0.5 HP
Assigned motor power at 200/208 V, 60 Hz, 1-phase	1 HP
Assigned motor power at 200/208 V, 60 Hz, 3-phase	3 HP
Assigned motor power at 230/240 V, 60 Hz, 1-phase	1.5 HP
Assigned motor power at 230/240 V, 60 Hz, 3-phase	3 HP
Assigned motor power at 460/480 V, 60 Hz, 3-phase	7.5 HP
Assigned motor power at 575/600 V, 60 Hz, 3-phase	7.5 HP
Contacts	
Control circuit reliability	1 failure per 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
Actuator	
Actuator color	Black
Actuator function	Maintained
Actuator type	Door coupling rotary drive
Design verification	
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
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  Mosts the product standard's requirements
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.  Moets 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.  Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	UV resistance only in connection with protective shield.
10.2.4 hesistance to titua-violet (OV) radiation	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.

10.8 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 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 leaflet (IL) is observed.

## **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

Version as main returned pelary ice switch	[AKF060018])	 ouu o.	
Version as safety switch         Image:	Version as main switch		No
Varsion a emergancy stop installation         No           Varsion as reversing switch         1           Number of switches         V         60           Max. rated operation voltage Ue AC         V         600           Rated operating voltage         AV         600           Rated operating voltage         AV         600           Rated permanent current tal AC-21,400 V         A         1           Rated permanent current tal AC-21,400 V         AV         5           Rated spermanent current tal AC-21,400 V         AV         5           Rated spermanent current tal AC-21,400 V         AV         5           Rated spermanent current tal AC-23,400 V         AV         5           Rated spermanent current tal AC-24,400 V         AV         5           Rated spermanent current tal AC-23,400 V         AV         5           Rated spermanent current tal AC-24,400 V	Version as maintenance-/service switch		No
Version as reversing switch         No           Number of switches         1           Max. rated operation voltage Ue AC         V         690           Rated operating voltage         V         680         890           Rated operating voltage         V         20         20           Rated operating nover at AC-23,400 V         RAV         5.5         3.0           Rated operation power at AC-24,400 V         RAV         5.5         3.0	Version as safety switch		No
Number of switches         Include operation voltage Ue AC         V         60           Max. rank operation voltage Ue AC         V         600           Rated operation voltage Ue AC         V         600           Rated operation voltage Ue AC         V         600           Rated operation current at AC-23, 400 V         A         0           Rated operation power at AC-3, 400 V         KW         5.5           Rated operation power at AC-23, 400 V         KW         5.5           Switching power at 400 V         KW         5.5           Switching power at 400 V         KW         5.5           Conditioned rated shert-circuit current Iq         KW         5.5           Number of auxiliary contacts as normally losed contact         KW         6.0           Number of auxiliary contacts as normally open contact         W         0           Number of auxiliary contacts as change-over contact         W         0           Meter of rive integrated         W         0         0           Motor of involutions and involved tax as a fange-over contact         W         0         0           Motor of rive integrated         W         0         0           Motor of involutions and involved for integrated         W         0         0	Version as emergency stop installation		No
Max. rated operation voltage Ue AC         V         600           Rated operation voltage         V         600         600           Rated permanent current tal         A         20           Rated permanent current at AC-23, 400 V         A         20           Rated permanent current at AC-23, 400 V         B         20           Rated operation power at AC-23, 400 V         IA         30           Rated short-time withstand current law         IA         32           Switching power at 400 V         IA         63           Switching power at 400 V         IA         6           Conditional rated short-circuit current law         IA         6           Number of poles         IA         6           Number of auxiliary contacts as normally closed contact         IA         6           Number of auxiliary contacts as change-over contact         IA         9           Motor drive optional         IA         9         10           Noted of from potional         IA         9         10           Valuate of not not mounting at hole         IA         9         10           Suitable for four mounting eatre         IA         9         10           Suitable for four mounting eatre         IA         <	Version as reversing switch		No
Rated operating voltage         V         80-099           Rated permanent current to         A         2           Rated permanent current at AC-23,400 V         A         2           Rated operation power at AC-3,400 V         W         5.5           Rated operation power at AC-3,400 V         W         5.5           Rated operation power at AC-23,400 V         W         5.5           South-time withstand current low         W         5.5           Voltage operation power at AC-23,400 V         W         5.5           South-time withstand current low         W         5.5           Conditioned rated short-circuit current lq         W         X           Number of poles         W         5.0           Number of auxiliary contacts as normally closed contact         W         0.0           Number of auxiliary contacts as change-over contact         W         0.0           Notor drive optional         W         0.0           Voltage release optional         W         0.0           Suitable for foor mounting 4-10e         W         0.0           Suitable for foor mounting centre         W         0.0           Suitable for fort mounting centre         W         0.0           Suitable for fort mounting centre	Number of switches		1
Rated permanent current lu         A         20           Rated permanent current at AC-23,400 V         A         20           Rated permanent current at AC-23,400 V         KW         55           Rated short-in writhstand current low         A         0.32           Rated operation power at AC-3,400 V         KW         5.5           Switching power at 400 V         KW         5.5           Conditioned rated short-circuit current lq         KW         6.           Number of jois         3         3           Number of auxiliary contacts as normally closed cortact         0         0           Number of auxiliary contacts as normally open contact         0         0           Number of auxiliary contacts as change-over contact         0         0           Motor drive integrated         0         No           Motor drive integrated         0         No           Voltage ralease optional         0         No           Suitable for form mounting         0         No           Suitable for form mounting 4-hole         No         No           Suitable for fortin mounting 4-hole         No         No           Suitable for fortin mounting 4-hole         No         No           Suitable for fortin mounting at hole o	Max. rated operation voltage Ue AC	V	690
Rated permanent current at AC-21, 400 V         A         20           Rated permanent current at AC-21, 400 V         KA         20           Rated permanent current at AC-21, 400 V         KA         55           Rated permanent current permanent perm	Rated operating voltage	V	690 - 690
Rated parmanent current at AC-21, 400 V         A         20           Rated operation power at AC-3, 400 V         AM         5.5           Rated operation power at AC-23, 400 V         AM         0.32           Switching power at 400 V         AW         5.5           Conditioned rated short-circuit current Iq         AW         5.5           Number of poles         AW         6.           Number of poles         AW         6.           Number of auxiliary contacts as normally closed contact         AW         0.           Number of auxiliary contacts as normally copen contact         AW         0.           Motor drive optional         AW         0.           Motor drive integrated         AW         0.           Motor drive integrated         AW         0.           Motor drive integrated         AW         0.           Undage release optional         AW         0.           Suitable for floor mounting         AW         0.           Suitable for floor mounting - Hole         AW         0.           Suitable for front mounting - Hole         AW         0.           Suitable for front mounting - Hole         AW         0.           Suitable for intermediate mounting         Yes         0. <td>Rated permanent current lu</td> <td>Α</td> <td>20</td>	Rated permanent current lu	Α	20
Rated operation power at AC-3, 400 V         kW         5.5           Rated short-time withstand current lew         kW         5.5           Rated operation power at AC-23, 400 V         kW         5.5           Witching power at 400 V         kW         5.5           Conditioned rated short-circuit current lq         kA         6           Number of poles         3         3           Number of auxiliary contacts as normally closed contact         0         0           Number of auxiliary contacts as anomally open contact         0         0           Number of auxiliary contacts as anomally open contact         0         0           Number of auxiliary contacts as anomally open contact         0         0           Number of auxiliary contacts as anomally open contact         0         0           Number of auxiliary contacts as anomally open contact         0         0           Number of auxiliary contacts as anomally open contact         0         0           Number of auxiliary contacts as anomally open contact         0         0           Number of auxiliary contacts as anomally open contact         0         0           Vistage release optional         0         0         0           Suitable for flor mounting         0         0         0 <td>Rated permanent current at AC-23, 400 V</td> <td>Α</td> <td></td>	Rated permanent current at AC-23, 400 V	Α	
Rated short-time withstend current lew         IA         0.32           Rated operation power at AC-23, 400 V         IW         5.5           Switching power at 400 V         IA         6           Conditioned rated short-circuit current Iq         IA         6           Number of poles         3         3           Number of poles Unitiary contacts as normally closed contact         0         0           Number of auxiliary contacts as normally open contact         0         0           Number of auxiliary contacts as schange-over contact         IA         0           Motor drive optional         IA         No           Motor drive integrated         IA         No           Voltage release optional         IA         No           Switzable for from mounting         IA         No           Suitable for from mounting 4-hole         IA         No           Suitable for from mounting entre         IA         No           Suitable for intermediate mounting         IA         No           Suitable for intermediate mo	Rated permanent current at AC-21, 400 V	Α	20
Rated operation power at AC-23, 400 V         kW         5.5           Switching power at 400 V         kW         5.5           Conditioned rated short-circuit current Iq         kA         6           Number of poles         3         3           Number of publishy contacts as normally closed contact         0         0           Number of auxiliary contacts as normally open contact         0         0           Number of auxiliary contacts as change-over contact         0         0           Motor drive integrated         No         No           Voltage release optional         No         No           Suitable for foor mounting         Built-in devise fixed built-in technique           Suitable for front mounting 4-bole         No         No           Suitable for front mounting centre         No         No           Suitable for intermediate mounting         Yes         Serve connection <tr< td=""><td>Rated operation power at AC-3, 400 V</td><td>kW</td><td>5.5</td></tr<>	Rated operation power at AC-3, 400 V	kW	5.5
Switching power at 400 V  Conditioned rated short-circuit current lq  Number of poles  Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Number of auxiliary contacts as change-over contact  Number of auxiliary contacts as change-over contact  Notor drive integrated  Votage release optional  Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for floor mounting 4-hole  Suitable for floor mounting 4-hole  Suitable for floor thou munting 4-hole  Suitable for floor thou munting 4-hole  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Type of control element  Interlockable  Type of control element  No  Sure coupling rotary drive  Interlockable  Serew connection  Five Serew connection  Five Serew connection  Five Serew connection  No  Serew connection  Serew connection  Five Serew connection  Five Serew connection  Five Serew connection  Five Serew connection  No  Serew connection  Five Serew	Rated short-time withstand current lcw	kA	0.32
Conditioned rated short-circuit current Iq       KA       6         Number of poles       3       3         Number of auxiliary contacts as normally closed contact       0       0         Number of auxiliary contacts as normally open contact       0       0         Number of auxiliary contacts as change-over contact       0       0         Motor drive optional       No       0         Motor drive integrated       No       0         Voltage release optional       No       0         Device construction       Built-in device fixed built-in technique         Suitable for front mounting 4-hole       No       0         Suitable for front mounting better       No       No         Suitable for distribution board installation       No       No         Suitable for intermediate mounting       Yes       No         Colour control element       Po       No         Interlockable       No       No         Type of centrol element       Po       Door caupling rotary drive         Interlockable       No       No         Type of electrical connection of main circuit       Po       No         With pre-assembled cabling       No       No         Degree of protection (IP, front side)	Rated operation power at AC-23, 400 V	kW	5.5
Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Notor drive optional Motor drive integrated No Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Nyes of control element With pre-assembled cabling Degree of protection (NEMA) With the service of the service of protection (NEMA) Registed Suitable for intermediate mounting Registed Regist	Switching power at 400 V	kW	5.5
Number of auxiliary contacts as normally closed contact         0           Number of auxiliary contacts as normally open contact         0           Motor drive optional         0           Motor drive integrated         No           Voltage release optional         No           Device construction         Built-in device fixed built-in technique           Suitable for floor mounting         Yes           Suitable for front mounting 4-hole         No           Suitable for front mounting entre         No           Suitable for intermediate mounting         Yes           Suitable for intermediate mounting         Yes           Colour control element         Poor coupling rotary drive           Type of control element         Door coupling rotary drive           Interlockable         No           Type of electrical connection of main circuit         No           With pre-assembled cabling         No           Degree of protection (IP), front side         IPES           Degree of protection (NEMA)         IPES           Width         mm         48           Height         mm         48           Degree of protection (NEMA)         mm         48           Width         mm         48	Conditioned rated short-circuit current Iq	kA	6
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         Built-in device fixed built-in technique           Suitable for floor mounting         Yes           Suitable for floor mounting centre         No           Suitable for distribution board installation         No           Suitable for intermediate mounting         Yes           Colour control element         Black           Type of control element         Door coupling rotary drive           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)         Imm           Width         mm         48           Height         mm         48           Degree of protection (NEMA)         mm         48           Degree of protection (NEMA)         mm         48           Degree of protection (NEMA)         mm         48           Width         mm         4	Number of poles		3
Number of auxiliary contacts as change-over contact  Motor drive optional  Motor drive integrated  Voltage release optional  Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for firont mounting centre  Suitable for flort mounting dentre  Suitable for flort mounting dentre  Suitable for flort mounting centre  Suitable for flort mounting centre  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Type of electrical connection of main circuit  With pre-assembled cabling  Degree of protection (IP), front side  Degree of protection (NEMA)  Width  Height  Degree of man  ### 48  #### 48  #####################	Number of auxiliary contacts as normally closed contact		0
Motor drive optional Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for front mounting entre Suitable for firent meunting and installation Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Height Depth  mm  48  No  No  No  No  No  No  No  Read No  No  Read No  No  Read Read Read Read Read Read Read Rea	Number of auxiliary contacts as normally open contact		0
Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (IPMA) Type of electrical connection (NEMA) Type of ele	Number of auxiliary contacts as change-over contact		0
Voltage release optional       No         Device construction       Built-in device fixed built-in technique         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       Yes         Colour control element       Black         Type of control element       Door coupling rotary drive         Interlockable       No         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         Wridth       mm       48         Height       mm       48         Depth       mm       48	Motor drive optional		No
Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for front mounting centre  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Type of electrical connection of main circuit  With pre-assembled cabling  Degree of protection (IP), front side  Degree of protection (NEMA)  Width  Midth  Mid	Motor drive integrated		No
Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Suitable for intermediate mounting Colour control element Suitable for intermediate mounting Su	Voltage release optional		No
Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for distribution board installation Suitable for distribution board installation Suitable for intermediate mounting Colour control element Suitable for intermediate mounting Colour control element Suitable for intermediate mounting Suitable for intermediate mounting Colour control element Suitable for intermediate mounting Suitable for font for intermediate mounting Suitable for intermedia	Device construction		Built-in device fixed built-in technique
Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Yes Colour control element Black Type of control element Interlockable Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Mmm 48 Height Depth Mo  No  No  No  128	Suitable for floor mounting		Yes
Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Type of electrical connection of main circuit  With pre-assembled cabling  Degree of protection (IP), front side  Degree of protection (NEMA)  Width  mm 48  Height  Depth  No  No  128	Suitable for front mounting 4-hole		No
Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Interlockable  Type of electrical connection of main circuit  With pre-assembled cabling  Degree of protection (IP), front side  Degree of protection (NEMA)  Width  mm  48  Height  Depth  Tyes  Yes  No  Black  Door coupling rotary drive  No  No  Screw connection  No  12  Width  mm  48  Height  mm  48  Topph  Topph	Suitable for front mounting centre		No
Colour control element Type of control element Interlockable No Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Mm 48 Height Depth  Black Door coupling rotary drive No Screw connection No 12  March	Suitable for distribution board installation		No
Type of control element  Interlockable Type of electrical connection of main circuit  With pre-assembled cabling Degree of protection (IP), front side  Degree of protection (NEMA)  Width Height Depth Door coupling rotary drive  No Screw connection  Screw connection  1P65  12  Width Mm 48  Height Depth 128	Suitable for intermediate mounting		Yes
Interlockable Type of electrical connection of main circuit  With pre-assembled cabling  Degree of protection (IP), front side  Degree of protection (NEMA)  Width  mm  48  Height  Depth  No  IP65  IP66  I	Colour control element		Black
Type of electrical connection of main circuit  With pre-assembled cabling  Degree of protection (IP), front side  Degree of protection (NEMA)  Width  mm 48  Height  Depth  Screw connection  No  IP65  IP65  P8  IP65  IP66	Type of control element		Door coupling rotary drive
With pre-assembled cabling  Degree of protection (IP), front side  Degree of protection (NEMA)  Width  mm  48  Height  Depth  mm  128	Interlockable		No
Degree of protection (IP), front side  Degree of protection (NEMA)  Width  mm 48  Height  Depth  mm 128	Type of electrical connection of main circuit		Screw connection
Degree of protection (NEMA)         12           Width         mm         48           Height         mm         48           Depth         mm         128	With pre-assembled cabling		No
Width mm 48 Height mm 48 Depth 128	Degree of protection (IP), front side		IP65
Height mm 48 Depth mm 128	Degree of protection (NEMA)		12
Depth mm 128	Width	mm	48
	Height	mm	48
Width in number of modular spacings	Depth	mm	128
	Width in number of modular spacings		