On-Off switch, T3, 32 A, flush mounting, 1 contact unit(s), 1 pole, with black thumb grip and front plate



Part no. T3-1-8200/E

064208

EL Number

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(NOI Way) General specifications	
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Product name	Eaton Moeller® series T3 On-Off switch
Part no.	T3-1-8200/E
EAN	4015080642084
Product Length/Depth	79 millimetre
Product height	54 millimetre
Product width	61 millimetre
Product weight	0.11 kilogram
Certifications	UL File No.: E36332 UL Category Control No.: NLRV CSA File No.: 012528 UL 60947-4-1 CSA-C22.2 No. 60947-4-1-14 CSA-C22.2 No. 94 UL IEC/EN 60204 VDE 0660 CSA Class No.: 3211-07 IEC/EN 60947-3 IEC/EN 60947 CSA CE CSA UL
Product Tradename	Т3
Product Type	On-Off switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
eatures & Functions	
Fitted with:	Black thumb grip and front plate
Inscription	0-1
Number of poles	1
General information	
Degree of protection	NEMA 12
Degree of protection (front side)	IP65
Lifespan, mechanical	500,000 Operations
Mounting method	Flush mounting
Mounting position	As required
Number of contact units	1
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 ms
Suitable for	Front mounting 4-hole 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

Climatic proofing Terminal capacities Terminal capacity Screw size	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 1 x (0.75 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 6) mm², solid or stranded 2 x (0.75 - 4) mm², flexible with ferrules to DIN 46228 14 - 10 AWG, solid or flexible with ferrule
Terminal capacity	2 x (1 - 6) mm ² , solid or stranded 2 x (0.75 - 4) mm ² , flexible with ferrules to DIN 46228 14 - 10 AWG, solid or flexible with ferrule
	2 x (1 - 6) mm ² , solid or stranded 2 x (0.75 - 4) mm ² , flexible with ferrules to DIN 46228 14 - 10 AWG, solid or flexible with ferrule
Screw size	1 x (1 - 6) mm ² , solid or stranded
00.011 0.20	M4, Terminal screw
Tightening torque	1.6 Nm, Screw terminals 17.7 lb-in, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	260 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	260 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	240 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	170 A
Rated operational current (le) at AC-3, 220 V, 230 V, 240 V	23.7 A
Rated operational current (le) at AC-3, 380 V, 400 V, 415 V	23.7 A
Rated operational current (le) at AC-3, 500 V	23.7 A
Rated operational current (le) at AC-3, 660 V, 690 V	14.7 A
Rated operational current (le) at AC-21, 440 V	32 A
Rated operational current (le) at AC-23A, 230 V	32 A
Rated operational current (le) at AC-23A, 400 V, 415 V	32 A
Rated operational current (le) at AC-23A, 500 V	26.4 A
Rated operational current (le) at AC-23A, 690 V	17 A
Rated operational current (le) at DC-1, load-break switches I/r = 1 ms	25 A
Rated operational current (le) at DC-13, control switches L/R = 50 ms	20 A
Rated operational current (le) at DC-21, 240 V	1 A
Rated operational current (Ie) at DC-23A, 24 V	25 A
Rated operational current (Ie) at DC-23A, 48 V	25 A
Rated operational current (Ie) at DC-23A, 60 V	25 A
Rated operational current (Ie) at DC-23A, 120 V	12 A
Rated operational current (le) at DC-23A, 240 V	5 A
Rated operational current (le) star-delta at AC-3, 220/230 V	32 A
Rated operational current (le) star-delta at AC-3, 380/400 V	32 A
Rated operational current (le) star-delta at AC-3, 500 V	32 A
Rated operational current (le) star-delta at AC-3, 690 V	25.5 A
Rated operational power at AC-3, 380/400 V, 50 Hz	11 kW
Rated operational power at AC-3, 415 V, 50 Hz	11 kW
Rated operational power at AC-3, 500 V, 50 Hz	15 kW
Rated operational power at AC-3, 690 V, 50 Hz	11 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	7.5 kW
Rated operational power at AC-23A, 400 V, 50 Hz	15 kW
Rated operational power at AC-23A, 500 V, 50 Hz	15 kW
Rated operational power at AC-23A, 690 V, 50 Hz	15 kW
Rated operational power star-delta at 220/230 V, 50 Hz	7.5 kW
Rated operational power star-delta at 380/400 V, 50 Hz	15 kW
Rated operational power star-delta at 500 V, 50 Hz	18.5 kW
Rated operational power star-delta at 690 V, 50 Hz	22 kW
Rated uninterrupted current (Iu)	32 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Rated conditional short-circuit current (Iq)	1 kA
Rated short-time withstand current (Icw)	0.65 kA 650 A, Contacts, 1 second
Short-circuit current rating (basic rating)	40A, max. Fuse, SCCR (UL/CSA) 5 kA, SCCR (UL/CSA)

Short-circuit current rating (high fault)	10 kA, SCCR (UL/CSA) 40 A, Class J, max. Fuse, SCCR (UL/CSA)		
Short-circuit protection rating	35 A gG/gL, Fuse, Contacts		
Switching capacity			
Load rating	1.3 x l# (with intermittent operation class 12, 60 % duty factor) 2 x l# (with intermittent operation class 12, 25 % duty factor) 1.6 x l# (with intermittent operation class 12, 40 % 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)	25 A, Rated uninterrupted current max. (UL/CSA)		
Switching capacity (auxiliary contacts, general use)	10A, IU, (UL/CSA)		
Switching capacity (auxiliary contacts, pilot duty)	A600 (UL/CSA) P600 (UL/CSA)		
Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	320 A		
Voltage per contact pair in series	60 V		
Motor rating			
Assigned motor power at 115/120 V, 60 Hz, 1-phase	1.5 HP		
Assigned motor power at 200/208 V, 60 Hz, 1-phase	3 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	3 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	10 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	Short thumb-grip		
Design verification			
Equipment heat dissipation, current-dependent Pvid	0 W		
Heat dissipation capacity Pdiss	0 W		
Heat dissipation per pole, current-dependent Pvid	1.1 W		
Rated operational current for specified heat dissipation (In)	32 A		
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	Meets the product standard's requirements.		
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.		
10.2.3.3 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.		
10.2.6 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.		

10.8 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 [AKF060018])

With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Imm Indicates the indica	[AKF060018])		
Version as safety switch No Version as nemegane, stop installation Image: No Version as new serving witch Image: No Number of switches Image: No Max. rated operation voltage Ue AC V 880-880 Rated operation voltage Ue AC V 880-880 Rated operation voltage Ue AC A 2 Rated operation voltage Ue AC A 2 Rated operation current at AC-22, 400 V A 3 Rated operation operation for at AC-23, 400 V A 1 Rated operation operation (Inc.) A 2 Rated operation operation (Inc.) A 3 Rated operation operation (Inc.) A 3 4 Conditional rated short-circuit current (Inc.) A 9 5 Conditional rated short-circuit current (Inc.) A 4 1 6 Conditional rated short-circuit current (Inc.) A 4 1 7 Conditional rated short-circuit current (Inc.) A 5 8 1 9 Number of audiliary con	Version as main switch		No
Version as erwering switch No No Number of switches 1 No Rated operating voltage V 1 Rated operating voltage V 800 - 800 Rated operating voltage V 800 - 800 Rated operating voltage A 2 Rated permanent current at AC-23, 400 V A 2 Rated permanent current at AC-23, 400 V W 11 Rated short sine withstand current low W 15 Nother of availary contacts as somally closed contact W 15 Nomber of availary contacts as normally closed contact W 10 Number of availary contacts as change-over contact W 10 Motor of rive rivegrated W 10 Voltage ralesse optional W 10	Version as maintenance-/service switch		No
Version as rowarsing switch 1	Version as safety switch		No
Number of switches V 1 Max. ratio operation voltage Ue AC V 600-890 Rated operating voltage A 32 Rated operation power at AC-24,00V A 32 Rated operation power at AC-24,00V B 14 Rated operation power at AC-24,00V B 15 Rated operation power at AC-24,00V B 15 Rated operation power at AC-24,00V B 15 Switching power at 40V-22,400V B 15 Conditioned rated abort-circuit current lq B 10 Number of poles B 10 10 Number of audiliary cornacts as normally closed contact B 10 10 Number of audiliary cornacts as normally closed contact B 10 10 Motor drive optional B 10 10 10 Watter face stricture B 10 10 <t< td=""><td>Version as emergency stop installation</td><td></td><td>No</td></t<>	Version as emergency stop installation		No
Max. rated operation voltage Ue AC. V 60-800 Rated permanent current Iu A 20-800 Rated permanent current ta AC-23, 400 V A 3 Rated permanent current ta AC-23, 400 V B W 10-800 Rated operation power at AC-23, 400 V K A 30-800 Rated operation power at AC-23, 400 V K A 50-800 Switching power at 400 V K 40-800 10-800 Rated operation power at AC-23, 400 V K 40-800 10-800 Rated operation power at AC-23, 400 V K 40-800 10-800 Switching power at 400 V A 40-800 10-800 Number of poles K 40-800 10-800 Number of awailary contacts as normally closed contact 40-800 10-800 Meter driven optional K 40-800 10-800 Meter driven optional K 40-800 10-800 Water driven optional K 40-800 10-800 Switchele for foor mounting e-trite K 40-800 10-800	Version as reversing switch		No
Rated operating voltage V 690 - 690 Rated permanent current at AC-25, 400 V A 3 Rated permanent current at AC-25, 400 V A 3 Rated operation power at AC-9, 400 V KW 15 Rated operation power at AC-9, 400 V KW 15 Rated operation power at AC-25, 400 V KW 15 Switching power at AC-25, 400 V KW 15 Switching power at AC-25, 400 V KW 15 Conditioned rated short-circuit current lq KW 16 Number of poles W 1 Number of poles W 1 Number of swilling contacts as normally closed centect 0 0 Number of swilling contacts as change-over contact 0 0 Motor drive potional W 0 0 Notation drive integrated W 0 0 Voltage release optional W 0 0 Suitable for fort mounting 4-lolo W 0 0 Suitable for fort mounting entre W 0 0 <td>Number of switches</td> <td></td> <td>1</td>	Number of switches		1
Rated permanent current Iu A 3 Rated permanent current at AC-23,400 V A 3 Rated operation power at AC-3,400 V IW 1 Rated operation power at AC-3,400 V IW 1 Rated operation power at AC-3,400 V IW 1 Rated operation power at AC-23,400 V IW 1 Switching power at 400 V IW 1 Conditioned rated short-circuit current Iq IW 1 Number of journality contacts as normally closed contact IW 1 Number of auxiliary contacts as normally open contact IW 0 Number of auxiliary contacts as change-over contact IW 0 Number of auxiliary contacts as change-over contact IW 0 Number of invalidate of invalidation IW 0 Number of auxiliary contacts as change-over contact IW 0 Number of invalidate of invalidation IW 0 Notation integrated IW 0 Voltage integrated IW 0 Suitable for form mounting entre IW 0	Max. rated operation voltage Ue AC	V	
Rated permanent current at AC-23, 400 V A 2 Rated permanent current at AC-21, 400 V 4 3 Rated spermanent current at AC-23, 400 V KW 1 Rated operation power at AC-23, 400 V KW 15 Rated short-dime withstand current low WW 5 Switching power at 400 V WW 15 Conditioned rated short-circuit current lo WW 1 Number of poles PW 1 Number of auxiliary contacts as normally open contact PW 0 Number of auxiliary contacts as change-over contact PW 0 Motor drive optional PW 0 Suitable for floor mounting PW 0 Suitable for floor mounting 4-role PW	Rated operating voltage	V	690 - 690
Rated parmanent current at AC-21,400 V A 32 Rated operation power at AC-3,400 V KA 10.85 Rated operation power at AC-23,400 V KA 0.85 Switching power at AC-23,400 V KW 15 Switching power at AC-23,400 V KW 15 Conditional rated short-circuit current Iq KW 1 Number of poles 1 1 Number of poles 1 1 Number of auxiliary contacts as normally closed contact 1 0 Number of auxiliary contacts as change-over contact 1 0 Motor drive optional 1 0 Motor drive integrated 1 0 Motor drive integrated 1 0 Voltage release optional 1 0 Suitable for floor mounting 1 0 Suitable for floor mounting 4-bic 1 0 Suitable for fortn mounting 4-bic 1 0 Suitable for intermediate mounting 1 0 Suitable for intermediate mounting 1 0	Rated permanent current lu	А	32
Rated operation power at AC-3, 400 V KW 11 Rated short-time withstand current low KA 0.55 Rated operation power at AC-23, 400 V KW 15 Switching power at 400 V KW 15 Conditioned rated short-circuit current Iq KW 1 Number of poles C 1 1 Number of auxiliary contacts as normally losed contact C 0 0 Number of auxiliary contacts as normally open contact C 0 0 Number of auxiliary contacts as normally open contact C 0 0 Number of auxiliary contacts as change-over contact C 0 0 Motor drive integrated C 0 0 Voltage release optional C 0 0 Device on struction C 0 0 Suitable for fort mounting 4-hole C 0 0 Suitable for fort mounting entre C 0 0 Suitable for fort mounting entre C 0 0 Suitable for fort mounting entre	Rated permanent current at AC-23, 400 V	А	
Rated short-time withstand current low KA 0.85 Rated operation power at AC-23, 400 V WW 15 Switching power at 400 V WW 15 Conditioned rated short-circuit current lq WW 1 Number of poles LW 1 Number of poles WW 0 Number of auxiliary contacts as normally closed contact WW 0 Number of auxiliary contacts as change-over contact WW 0 Motor drive optional WW NO Motor drive integrated WW NO Voltage release optional WW NO Switzbage for front mounting WW NO Switzbage for front mounting 4-hole WW NO Switzbage for front mounting entre WW NO Suitable for front mounting entre WW <	Rated permanent current at AC-21, 400 V	А	32
Rated operation power at AC-23, 400 V KW 15 Switching power at 400 V KW 15 Conditioned rated short-circuit current Iq KA 1 Number of poles LA 1 Number of auxiliary contacts as normally closed contact CA CA Number of auxiliary contacts as normally open contact CA CA Motor drive optional CA CA CA Motor drive optional CA CA CA Motor drive integrated CA CA CA Voltage release optional CA CA CA Suitable for from mounting CA CA CA Suitable for from mounting 4-hole CA CA CA Suitable for from mounting centre CA CA CA Suitable for intermediate mounting CA CA CA Suitable for intermediate mounting CA CA CA Color control element CA CA CA Type of cinctrical element CA CA CA <td>Rated operation power at AC-3, 400 V</td> <td>kW</td> <td>11</td>	Rated operation power at AC-3, 400 V	kW	11
Switching power at 400 V IAW 15 Conditioned rated short-circuit current Iq IAW 1 Number of poles 1 1 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 pitional No No Motor drive integrated No No Voltage release optional No No Device construction No No Suitable for floor mounting No No Suitable for front mounting entrent No No Colour control element No No Type of control element No No Interfoxable No No	Rated short-time withstand current lcw	kA	0.65
Conditioned rated short-circuit current Iq KA 1 Number of poles IA 1 Number of auxiliary contacts as normally open contact IA 0 Number of auxiliary contacts as normally open contact IA 0 Number of auxiliary contacts as change-over contact IA 0 Motor drive optional IA No Motor drive integrated IA IA IA Voltage release optional IA IA IA IA Suitable for floor mounting IA IA IA IA IA Suitable for front mounting 4-hole IA	Rated operation power at AC-23, 400 V	kW	15
Number of poles 1	Switching power at 400 V	kW	15
Number of auxiliary contacts as normally closed contact 6 0 Number of auxiliary contacts as normally open contact 9 0 Number of auxiliary contacts as change-over contact 9 10 Motor drive optional 9 No Motor drive integrated 9 No Voltage release optional 9 Built-in device fixed built-in technique Suitable for floor mounting 9 No Suitable for front mounting 4-hole 9 No Suitable for fint mounting eartre 9 No Suitable for intermediate mounting 9 No Colour control element 9 No Interfackable 9 No Type of electrical connection of main circuit 9 No With pre-assembled cabling No No Degree of protection (IP), front side 9 No Degree of protection	Conditioned rated short-circuit current Iq	kA	1
Number of auxiliary contacts as normally open contact Feb. 10 Number of auxiliary contacts as change-over contact Feb. 20 Motor drive optional Feb. 30 Motor drive integrated Feb. 30 Voltage release optional Feb. 30 Device construction Suitable for froor mounting Suitable for froor mounting 4-hole Feb. 30 Suitable for front mounting entre No Suitable for distribution board installation Feb. 30 Suitable for distribution board installation Feb. 30 Suitable for intermediate mounting Feb. 30 Colour control element Feb. 30 Type of control element Sort rthumb-grip Type of control element Feb. 30 Type of control element No Type of control element No Type of protection (Feb. 20 No With pre-assembled cabling No Degree of protection (IP), front side Feb. 30 Degree of protection (NEMA) No With No Type of electrical connection of main circuit No Type of elec	Number of poles		1
Number of auxiliary contacts as change-over contact66Motor drive optional10NoMotor drive integrated10NoVoltage release optional10Suit-in device fixed built-in techniqueDevice construction10Juliary in device fixed built-in techniqueSuitable for floor mounting10YesSuitable for front mounting 4-hole10YesSuitable for distribution board installation10YesSuitable for intermediate mounting10NoColour control element10YesNoType of control element10YesNoType of electrical connection of main circuit10YesNoType of electrical connection of main circuit10YesNoUnth pre-assembled cabling10YesNoDegree of protection (IP), front side10YesNoDegree of protection (NEMA)10YesNoWith10YesNoHeight10YesNoHeight10YesNoHeight10YesNoHeight10YesNoHeight10YesNoHeight10YesNoHeight10YesNoHeight10YesNoHeight10YesNoHeight10YesNoHeight10YesNoHeight10Yes	Number of auxiliary contacts as normally closed contact		0
Motor drive integrated Motor drive integrated Vottage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting 4-hole Suitable for firent mounting at hole Suitable for distribution board installation Suitable for distribution board installation Suitable for intermediate mounting Suitable for interme	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 distribution board installation Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (IP), front side Degree of protection (NEMA) Type of electrical connection of Main circuit With the control of Main circuit No. No. No. No. No. No. No. No	Number of auxiliary contacts as change-over contact		0
Voltage release optional	Motor drive optional		No
Device construction Suitable for floor mounting Suitable for floor mounting 4-hole Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for front mounting centre Suitable for firont 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) Type of electrical connection (NEMA) Type of electrical conne	Motor drive integrated		No
Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for firont 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) Type of electrical connection of main circuit With the cable to the cabl	Voltage release optional		No
Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for firont mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Type of control element No Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Degree of protection (NEMA) Degree of mm 61 Height Depth On Suitable for front mounting 4-hole No Yes No No No Suitable for intermediate mounting No No Short thumb-grip No Screw connection No Degree of protection (IP), front side Degree of protection (IP), front side Degree of protection (NEMA) Mm 61 Mm 79	Device construction		Built-in device fixed built-in technique
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 Height Depth No No No Rogere of protection (NEMA) No 12 12 Model Mmm 61 Mmm 54 Degree of protection of main circuit Model M	Suitable for floor mounting		No
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 Height Depth No No Screw connection No 12 Well Mmm 61 Mmm 54 Depth	Suitable for front mounting 4-hole		Yes
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 No No No Screw connection No 12 Width Mm 61 Height Depth Degree of mm 79	Suitable for front mounting centre		No
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 Black Short thumb-grip No Screw connection No Screw connection 12 Width Mm 61 Height Depth Mm 79	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 Short thumb-grip No Screw connection No 1 12 Width Mm 61 Height Depth Mm 79	Suitable for intermediate mounting		No
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 No No Poew connection No Poew connection No Poew connection No Poew connection No No Poew connection No No Poew connection No Poew conn	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 Height Depth Screw connection No 1P65 12 4 61 4 61 61 61 61 61 61 61	Type of control element		Short thumb-grip
With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Imm Indicates the indica	Interlockable		No
Degree of protection (IP), front side Degree of protection (NEMA) Width Height Depth IP65 12 Mm 61 Mm 54 Depth Mm 79	Type of electrical connection of main circuit		Screw connection
Degree of protection (NEMA) Width Height Depth The state of protection (NEMA) The state of	With pre-assembled cabling		No
Width mm 61 Height mm 54 Depth 79	Degree of protection (IP), front side		IP65
Height mm 54 Depth 79	Degree of protection (NEMA)		12
Depth mm 79	Width	mm	61
	Height	mm	54
Width in number of modular spacings	Depth	mm	79
	Width in number of modular spacings		