DATASHEET - T3-4-8344/V/SVB

Main switch, T3, 32 A, rear 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.

T3-4-8344/V/SVB 020598

General specifications	
Product name	Eaton Moeller® series T3 Main switch
Part no.	T3-4-8344/V/SVB
EAN	4015080205982
Product Length/Depth	156 millimetre
Product height	74 millimetre
Product width	65 millimetre
Product weight	0.333 kilogram
Certifications	CSA File No.: 012528 CSA-C22.2 No. 94 UL Category Control No.: NLRV CSA Class No.: 3211-05 CSA UL File No.: E36332 CSA-C22.2 No. 60947-4-1-14 CE IEC/EN 60947-3 UL 60947-4-1 VDE 0660 UL IEC/EN 60947 IEC/EN 60947
Product Tradename	ТЗ
Product Type	Main switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
Features & Functions	
Features	Version as emergency stop installation Version as main switch Version as maintenance-/service 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
General information	
Degree of protection	NEMA 12
Degree of protection (front side)	IP65
Lifespan, mechanical	500,000 Operations
Mounting method	Rear mounting
Mounting position	As required
Number of contact units	4
Operating frequency	1200 Operations/h
Overvoltage category	III III III III III III III III III II
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	Branch circuits, suitable as motor disconnect, (UL/CSA) Intermediate mounting Ground mounting
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
Terminal capacities	
Terminal capacity	2 x (0.75 - 4) mm ² , flexible with ferrules to DIN 46228 1 x (1 - 6) mm ² , solid or stranded 1 x (0.75 - 4) mm ² , flexible with ferrules to DIN 46228 2 x (1 - 6) mm ² , solid or stranded 14 - 10 AWG, solid or flexible with ferrule
Screw size	M4, Terminal screw
Tightening torque	1.6 Nm, Screw terminals
Electrical rating	17.7 lb-in, Screw terminals
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 (Ie) at AC-3, 220 V, 230 V, 240 V	23.7 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	23.7 A
Rated operational current (Ie) at AC-3, 500 V	23.7 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	14.7 A
Rated operational current (Ie) at AC-21, 440 V	32 A
Rated operational current (Ie) at AC-23A, 230 V	32 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	32 A
Rated operational current (Ie) at AC-23A, 500 V	26.4 A
Rated operational current (Ie) at AC-23A, 690 V	17 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	25 A
Rated operational current (Ie) at DC-13, control switches L/R = 50 ms	20 A
Rated operational current (Ie) at DC-21, 240 V	1A
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 (Ie) at DC-23A, 240 V	5 A
Rated operational current (Ie) star-delta at AC-3, 220/230 V	32 A
Rated operational current (Ie) star-delta at AC-3, 380/400 V	32 A
Rated operational current (Ie) star-delta at AC-3, 500 V	32 A
Rated operational current (Ie) 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 7.5 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	
Rated operational power at AC-23A, 400 V, 50 Hz	15 kW 15 kW
Rated operational power at AC-23A, 500 V, 50 Hz 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 320/230 V, 50 Hz	15 kW
Rated operational power star-delta at 500 V, 50 Hz	18.5 kW
Rated operational power star-delta at 500 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 (Ig)	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	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)	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	Red
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	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 8.0

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

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14-03 [AKF060013])

Version as safety switch Ns Version as safety switch No Version as safety switch No Version as safety switch No Number of switches No Number of switches No Rade operation votage Ue AC So Rade operation votage Ue AC No Rade operation power at AC-3400 V No Rade operation power at AC-21,400 V No Number of ouxiliary contacts as normally closed contact No Number of auxiliary contacts as normally closed contact No Number of auxiliary contacts as normally closed contact No Number of auxiliary contacts as normally closed contact No			
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Version as eversing switch Image: Provide set of the switch se	Version as maintenance-/service switch		Yes
Version as reversing which I Number of whiches I Number of whiches I I I Max. rated operation voltage Ue AC V IP IP <td>Version as safety switch</td> <td></td> <td>No</td>	Version as safety switch		No
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Number of back back back back back back back back	Version as reversing switch		No
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Autom of rated short-circuit current lq Image: Autom of poles Image: Autom of poles Number of auxiliary contacts as normally closed contact Image: Autom of auxiliary contacts as normally closed contact Image: Autom of auxiliary contacts as normally closed contact Number of auxiliary contacts as change-over contact Image: Autom of	Rated operation power at AC-23, 400 V	kW	15
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 0 Motor drive integrated 0 Voltage release optional 0 Device construction 0 Suitable for from mounting 4-hole 0 Suitable for from mounting to riter mediate mounting 0 Suitable for intermediate mounting	Switching power at 400 V	kW	15
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Number of auxiliary contacts as change-over contact Image: Provide a status of the statu	Number of auxiliary contacts as normally closed contact		0
Motor drive optional Moder drive integrated No Wotar drive integrated No No Votage release optional Moder drive integrated No Device construction Moder drive integrated No Suitable for floor mounting Moder drive integrated Wotage release optional Suitable for front mounting 4-hole Moder drive integrated Ves Suitable for front mounting centre Moder drive integrated No Suitable for front mounting centre Moder drive integrated No Suitable for intermediate mounting Moder drive drive integrated No Suitable for intermediate mounting Moder drive drive integrated No Suitable for intermediate mounting Moder drive drive drive integrated No Suitable for intermediate mounting Moder drive	Number of auxiliary contacts as normally open contact		0
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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 Yes Suitable for intermediate mounting Yes Colour control element Yes Type of control element Yes Type of electrical connection of main circuit Yes Type of electrical connection (IP), front side Yes Built-in device fixed built-in technique Yes Type of entrol (IP), front side Yes Type of electrical connection of main circuit Yes Built-in device fixed built-in technique Yes Type of electrical connection of main circuit Yes Type of electrical connection of main circuit Yes Built-in device fixed built-in technique Yes Type of electrical connection of main circuit Yes Type of electrical connection of main circuit Yes Type of electrical connection of main circuit Yes <t< td=""><td>Motor drive optional</td><td></td><td>No</td></t<>	Motor drive optional		No
Device construction Built-in device fixed built-in technique Suitable for floor mounting Yes Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting Yes Colour control element No Type of control element Medication Type of electrical connection of main circuit Yes Type of protection (IP), front side Screw connection IP Screw connection IP Screw connection	Motor drive integrated		No
Suitable for floor mountingYesSuitable for front mounting 4-holeNoSuitable for front mounting centreNoSuitable for front mounting centreNoSuitable for distribution board installationYesSuitable for intermediate mountingYesColour control elementRedType of control elementYesInterlockableYesType of electrical connection of main circuitYesPage of protection (IP), front sideSource of protection (IP), front side	Voltage release optional		No
Suitable for front mounting 4-hole No Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting No Suitable for intermediate mounting Yes Colour control element Poor coupling rotary drive Type of control element Poor coupling rotary drive Type of electrical connection of main circuit Screw connection Degree of protection (IP), front side Screw connection	Device construction		Built-in device fixed built-in technique
Suitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingVesColour control elementRedType of control elementDoor coupling rotary driveInterlockableYesType of electrical connection of main circuitScrew connectionDegree of protection (IP), front sideGolow	Suitable for floor mounting		Yes
Suitable for distribution board installation No Suitable for intermediate mounting Yes Colour control element Red Type of control element Door coupling rotary drive Interlockable Yes Type of electrical connection of main circuit Screw connection Degree of protection (IP), front side Good	Suitable for front mounting 4-hole		No
Suitable for intermediate mountingYesColour control elementRedType of control elementDoor coupling rotary driveInterlockableYesType of electrical connection of main circuitGottoDegree of protection (IP), front sideGotto	Suitable for front mounting centre		No
Colour control element Red Type of control element Door coupling rotary drive Interlockable Yes Type of electrical connection of main circuit Screw connection Degree of protection (IP), front side Image: Screw connection	Suitable for distribution board installation		No
Type of control element Door coupling rotary drive Interlockable Yes Type of electrical connection of main circuit Screw connection Degree of protection (IP), front side Monte Control	Suitable for intermediate mounting		Yes
Interlockable Yes Type of electrical connection of main circuit Image: Screw connection Degree of protection (IP), front side Image: Screw connection	Colour control element		Red
Type of electrical connection of main circuit Screw connection Degree of protection (IP), front side IP65	Type of control element		Door coupling rotary drive
Degree of protection (IP), front side	Interlockable		Yes
	Type of electrical connection of main circuit		Screw connection
Degree of protection (NEMA) 12	Degree of protection (IP), front side		IP65
	Degree of protection (NEMA)		12