DATASHEET - T3-4-8344/SE2

T3, 32 A, surface mounting, 4 contact unit(s), 90 °, maintained, 0-1, in steel enclosure, Design number 8344

Powering Business Worldwide

Part no. T3-4-8344/SE2
197459

Product name	Eaton Moeller® series T3 On-Off switch
Part no.	T3-4-8344/SE2
EAN	4015080895961
Product Length/Depth	250 millimetre
Product height	147 millimetre
Product width	200 millimetre
Product weight	2.53 kilogram
Certifications	IEC/EN 60947-3 VDE 0660 IEC/EN 60947 IEC/EN 60204
Product Tradename	T3
Product Type	On-Off switch
Product Sub Type	None
Catalog Notes	in steel enclosure Rated Short-time Withstand Current (Icw) for a time of 1 second
Fitted with:	Black thumb grip and front plate
Inscription	0-1
Number of poles	Eight-pole
Degree of protection	NEMA 12
Degree of protection (front side)	IP65
Lifespan, mechanical	500,000 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 ms
Suitable for	Ground mounting
Switching angle	90 °
Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max	40 °C
Terminal capacity	1 x (0.75 - 4) mm^2, flexible with ferrules to DIN 46228 2 x (0.75 - 4) mm^2, flexible with ferrules to DIN 46228 2 x (1 - 6) mm^2, solid or stranded 1 x (1 - 6) mm^2, solid or stranded
Screw size	M4, Terminal screw
Tightening torque	17.7 lb-in, Screw terminals 1.6 Nm, 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-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 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 DC-1, load-break switches l/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	1 A
Number of contacts in series at DC-21A, 240 V	1
Rated operational current (Ie) at DC-23A, 24 V	25 A
Number of contacts in series at DC-23A, 24 V	1
Rated operational current (Ie) at DC-23A, 48 V	25 A
Number of contacts in series at DC-23A, 48 V	2
Rated operational current (Ie) at DC-23A, 60 V	25 A
Number of contacts in series at DC-23A, 60 V	3
Rated operational current (Ie) at DC-23A, 120 V	12 A
Number of contacts in series at DC-23A, 120 V	3
Rated operational current (Ie) at DC-23A, 240 V	5 A
Number of contacts in series at DC-23A, 240 V	5
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-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 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, 690 V, 50 Hz	11 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 operational voltage (Ue) at AC - min	690 V
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	32 A
Uninterrupted current	Rated uninterrupted current Iu is specified for max. cross-section.
Voltage per contact pair in series	60 V
Rated conditional short-circuit current (Iq)	1 kA
Rated short-time withstand current (Icw)	0.65 kA 650 A, Contacts, 1 second
Short-circuit protection rating	35 A gG/gL, Fuse, Contacts
Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	320 A
Load rating	1.6 x I# (with intermittent operation class 12, 40 % duty factor) 2 x I# (with intermittent operation class 12, 25 % duty factor) 1.3 x I# (with intermittent operation class 12, 60 % duty factor)

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 color			Black
Actuator function			Maintained
Actuator type			Short thumb-grip

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 main switch			No
Version as maintenance-/service switch			No
Version as safety switch			No
Version as emergency stop installation			No
Version as reversing switch			No
Number of switches			1
Max. rated operation voltage Ue AC		V	690
Rated operating voltage		V	690 - 690
Rated permanent current Iu		A	32
Rated permanent current at AC-23, 400 V		A	32
Rated permanent current at AC-21, 400 V		A	32
Rated operation power at AC-3, 400 V		kW	11
Rated short-time withstand current Icw		kA	0.65
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			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			Black
Type of control element			Short thumb-grip
Interlockable			No
Type of electrical connection of main circuit			Screw connection
Degree of protection (IP), front side			IP65
Degree of protection (NEMA)			12

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