DATASHEET - T0-6-15866/E

Reversing multi-speed switches, T0, 20 A, flush mounting, 6 contact unit(s), Contacts: 12, 60 °, maintained, With 0 (Off) position, 2-1-0-1-2, Design number 15866



Part no.

T0-6-15866/E 055460

General specifications	
Product name	Eaton Moeller® series T0 Reversing multi-speed switch
Part no.	T0-6-15866/E
EAN	4015080554608
Product Length/Depth	124 millimetre
Product height	48 millimetre
Product width	48 millimetre
Product weight	0.16 kilogram
Certifications	VDE 0660 CSA-C22.2 No. 60947-4-1-14 CE UL File No.: E36332 IEC/EN 60947 CSA CSA-C22.2 No. 94 UL Category Control No.: NLRV UL CSA Class No.: 3211-05 IEC/EN 60204 IEC/EN 60947-3 UL 60947-4-1 CSA File No.: 012528
Product Tradename	ТО
Product Type	Reversing multi-speed switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
Features & Functions	
Enclosure material	Plastic
Fitted with:	0 (off) position Black thumb grip and front plate
Inscription	2-1-0-1-2
Number of poles	3
Switch function type	One tapped winding, 2 speeds, 2 operating directions
General information	
Degree of protection	IP65 NEMA 12 NEMA 1
Degree of protection (front side)	IP65 NEMA 12
Lifespan, mechanical	400,000 Operations
Model	Reversing Dahlander switch
Mounting method	Flush mounting
Mounting position	As required
Number of contact units	6
Operating frequency	1200 Operations/h
Overvoltage category	
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) Front mounting
Switching angle	60 °

Ture	Deversing multi-second switch
Туре	Reversing multi-speed switch
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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Terminal capacities	
Terminal capacity (flexible with ferrule)	2 x (0.75 - 2.5) mm ² , ferrules to DIN 46228
Terminal capacity (solid/flexible with ferrule AWG)	1 x (0.75 - 2.5) mm ² , ferrules to DIN 46228 18 - 14
Terminal capacity (solid/stranded)	2 x (1 - 2.5) mm ²
	1 x (1 - 2.5) mm ²
Screw size	M3.5, Terminal screw
Tightening torque	1 Nm, Screw terminals 8.8 lb-in, 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)	20 A at AC-3, 230 V star-delta 15.6 A at AC-3, 500 V star-delta 8.5 A at AC-3, 690 V star-delta 20 A at AC-3, 400 V star-delta
Rated operational current (Ie) 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	A 6
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 (le) at DC-21, 240 V	1A
Rated operational current (le) at DC-23A, 24 V	10 A
Rated operational current (le) 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	5A
Rated operational current (le) at DC-23A, 240 V	5A
Rated operational power at AC-3, 380/400 V, 50 Hz	4 kW
Rated operational power at AC-3, 415 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.

Rand and information along for all and a first along and along alo	Short-circuit rating	
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Switching capacity Interview Load resing 2.3 kF with intermittent operation class 12, 85 % diry fractril 2.3 kF with intermittent operation class 12, 85 % diry fractril 2.4 kF with intermittent operation class 12, 85 % diry fractril 2.4 kF with intermittent operation class 12, 85 % diry fractril 2.4 kF with intermittent operation class 12, 85 % diry fractril 2.4 kF with intermittent operation class 12, 85 % diry fractril 2.4 kF with intermittent operation class 12, 84 % diry fractril 12.4 kF with intermittent operation class 12, 84 % diry fractril 12.4 kF with intermittent operation class 14, 84 % diry	Short-circuit current rating (high fault)	
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Number of contacts in series at DC-23, 24 V Image: Contacts in series at DC-23, 48 V Number of contacts in series at DC-23, 48 V Image: Contacts in series at DC-23, 20 V Number of contacts in series at DC-23, 20 V Image: Contacts in series at DC-23, 20 V Switching capacity interactions contacts, general use) Image: Contacts in series at DC-23, 20 V Switching capacity interacts, general use) Image: Contacts, general use) Switching capacity interacts, general use) Image: Contacts, general use) Switching capacity interacts, general use) Image: Contacts, general use) Switching capacity interacts, general use) Image: Contacts, general use) Nother atting Image: Contacts, general use) Assigned mater gover at 19/120 V, 58 Hz, 1-phase Image: Contacts, general use) Assigned mater gover at 202200 V, 60 Hz, 2-phase Image: Contacts, general use) Assigned mater gover at 202200 V, 60 Hz, 2-phase Image: Contacts, general use) Contracts Image: Contacts, general use, 2-phase Image: Contacts, general use, 2-phase Assigned mater gover at 20220 V, 60 Hz, 2-phase Image: Contacts, 2-phase Image: Contacts, 2-phase Contracts Image: Contacts, 2-phase Image: Contacts, 2-phase Image: Contacts, 2-phase Assigned mater gover at 20220 V, 60 Hz, 2-phase Image: Contacts, 2-phase Image: Contacts, 2-phase Contracts	Load rating	2 x I# (with intermittent operation class 12, 25 % duty factor)
Humber of contacts in series at DC-20, 46 V Image of contacts in series at DC-23, 80 V Number of contacts in series at DC-23, 20 V Image of contacts in series at DC-23, 20 V Solutions capacity lumin contacts, general use) Image of contacts in series at DC-23, 20 V Solutions capacity lumin contacts, general use) Image of contacts in series at DC-23, 20 V Solutions capacity lumin contacts, general use) Image of contacts in series at DC-23, 20 V Solutions capacity lumin contacts, general use) Image of contacts in series Solutions capacity lumin contacts, general use) Image of contacts in series Motor rating Image of contact power at 191/20 V, 20 Hz, 1 phase Assigned motor power at 191/20 V, 20 Hz, 1 phase Image of motor power at 230/20 V, 20 Hz, 1 phase Assigned motor power at 230/20 V, 20 Hz, 2 phase Image of motor power at 230/20 V, 20 Hz, 2 phase Assigned motor power at 230/20 V, 20 Hz, 3 phase Image of motor power at 230/20 V, 20 Hz, 3 phase Assigned motor power at 230/20 V, 20 Hz, 3 phase Image of motor power at 230/20 V, 20 Hz, 3 phase Contracts Image of anticity of contacts (change-over contacts) Image of anticity of anticy of anticity of anticity of anticity of anticy of anti	Number of contacts in series at DC-21A, 240 V	1
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Number of contacts in series at DC-23A, 120 V Image: Contacts in series at DC-23A, 20 V Switching capacity (main contacts, general use) Image: Contacts in series at DC-23A, 20 V Switching capacity (main contacts, general use) Image: Contacts, general use) Switching capacity (mains contacts, general use) Image: Contacts, general use) Switching capacity (mains contacts, general use) Image: Contacts, general use) Switching capacity (mains contacts, general use) Image: Contacts, general use) Assigned motor power at 200208 V, 50 Hz, 1-phase Image: Contacts, general use) Assigned motor power at 200208 V, 50 Hz, 1-phase Image: Contacts, general use) Assigned motor power at 200208 V, 50 Hz, 1-phase Image: Contacts, general use) Assigned motor power at 200208 V, 50 Hz, 1-phase Image: Contacts, general use) Assigned motor power at 200208 V, 50 Hz, 3-phase Image: Contacts, general use) Contacts Image: Contact, general use, gen	Number of contacts in series at DC-23A, 48 V	2
Number of contacts in series at DC 23A, 240 V Image: Contacts in series at DC 23A, 240 V Switching capacity lumian contacts, general uso) Image: Contacts, general uso) Switching capacity lumiany contacts, general uso) Image: Contacts, general uso) Switching capacity lumiany contacts, general uso) Image: Contacts, general uso) Switching capacity lumiany contacts, general uso) Image: Contacts, general uso) Noter canage: Contact pair in series Image: Contact pair in series Assigned motor power at 200200 V, 60 Hz, I-phase Image: Contact pair in series Assigned motor power at 200200 V, 60 Hz, I-phase Image: Contact pair in series Assigned motor power at 200200 V, 60 Hz, I-phase Image: Contact pair in series Assigned motor power at 200200 V, 60 Hz, I-phase Image: Contact Ima	Number of contacts in series at DC-23A, 60 V	3
Switching capacity (axiliary contacts, general use) If A, Rated uninterrupted current max. (UUCSA) Switching capacity (axiliary contacts, general use) If A, Rated uninterrupted current max. (UUCSA) Switching capacity (axiliary contacts, general use) If A, Rated uninterrupted current max. (UUCSA) Rated making capacity (axiliary contacts, general use) If A, Rated uninterrupted current max. (UUCSA) Rated making capacity (axiliary contacts, general use) If A, Rated uninterrupted current max. (UUCSA) Rated making capacity (axiliary contacts, general use) If A, Rated uninterrupted current max. (UUCSA) Worker at Diverse Diverse at Diverse at Diverse at Diverse at Divers	Number of contacts in series at DC-23A, 120 V	3
Switching capacity (auxiliary contacts, point duty) Image: Switching capacity (auxiliary contacts, point duty) Bated making capacity (auxiliary contacts, point duty) Image: Switching capacity (auxiliary contacts, point duty) Bated making capacity (auxiliary contacts, point duty) Image: Switching capacity (auxiliary contacts, point duty) Assigned motor power at 15/20 V(s0 Hz, 1-phase Image: Switching capacity (auxiliary contacts, point duty) Assigned motor power at 200/200 V(s0 Hz, 1-phase Image: Switching capacity (auxiliary contacts, point duty) Assigned motor power at 200/200 V(s0 Hz, 1-phase Image: Switching capacity (auxiliary contacts) Assigned motor power at 200/200 V(s0 Hz, 1-phase Image: Switching capacity (auxiliary contacts) Assigned motor power at 200/200 V(s0 Hz, 3-phase Image: Switching capacity (auxiliary contacts) Assigned motor power at 200/200 V(s0 Hz, 3-phase Image: Switching capacity (auxiliary contacts) Assigned motor power at 200/200 V(s0 Hz, 3-phase Image: Switching capacity (auxiliary contacts) Assigned motor power at 200/200 V(s0 Hz, 3-phase Image: Switching capacity (auxiliary contacts) Montor of auxiliary contacts (chang-ever contacts) Image: Switching capacity (auxiliary contacts) Number of auxiliary contacts (chang-ever contacts) Image: Switching capacity (auxiliary contacts) Number of	Number of contacts in series at DC-23A, 240 V	5
Switching capacity up to 880 V (cos ph to 16C/EN 6997-3) Feasi making capacity up to 880 V (cos ph to 16C/EN 6997-3) Assigned motor power at 11/320 V, 60 Hz, 1-phase 600 V Assigned motor power at 200/200 V, 60 Hz, 3-phase 600 V Assigned motor power at 200/200 V, 60 Hz, 3-phase 600 V Assigned motor power at 200/200 V, 60 Hz, 3-phase 600 V Assigned motor power at 200/200 V, 60 Hz, 3-phase 600 V Assigned motor power at 200/200 V, 60 Hz, 3-phase 600 V Assigned motor power at 200/200 V, 60 Hz, 3-phase 600 V Assigned motor power at 200/200 V, 60 Hz, 3-phase 75 HP Assigned motor power at 200/200 V, 60 Hz, 3-phase 75 HP Assigned motor power at 200/200 V, 60 Hz, 3-phase 75 HP Assigned motor power at 200/200 V, 60 Hz, 3-phase 0 Contracts 0 Contracts 0 Rown of axxilary contacts (hormally open contacts) 0 Number of axxilary contacts (hormally open contacts) 0 Number of axxilary contacts (hormally open contacts) 0 Number of axxilary contacts (hormally open contacts) 0 Rottator 0 Actuator 0	Switching capacity (main contacts, general use)	16 A, Rated uninterrupted current max. (UL/CSA)
Accor (UUCSA) Rated making capacity up to 80% (Cop (Sek 06947-3)) 30 A Woltage per contact pair in series 60% (A Assigned motor power at 15% (20 % Geht, 1-phase) 0.5 HP Assigned motor power at 2020 % Vol HL, 1-phase 1 HP Assigned motor power at 2020 % Vol HL, 1-phase 1 SHP Assigned motor power at 2020 % Vol HL, 1-phase 3 HP Assigned motor power at 2020 % Vol HL, 1-phase 3 HP Assigned motor power at 2020 % Vol HL, 1-phase 3 HP Assigned motor power at 2020 % Vol HL, 1-phase 3 HP Assigned motor power at 2020 % Vol HL, 3-phase 7 SHP Control Circuit reliability 1 failure per 100.000 switching operations statistically determined, at 24 V DC, 1 Assigned motor power at 2020 % Vol HL, 1-phase 0 Mumber of auxiliary contacts (normally closed contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Actuator function 0 Actuator function 0 Actuator function 0 Actuator function 0 Beaignment the dissipation, current-dependent Pvid 0 <td< td=""><td>Switching capacity (auxiliary contacts, general use)</td><td>10A, IU, (UL/CSA)</td></td<>	Switching capacity (auxiliary contacts, general use)	10A, IU, (UL/CSA)
Voltage per contact pair in series BV Motor rating Series Assigned motor power at 151/20 V, 60 Hz, 1-phase 0.5 HP Assigned motor power at 2002 V60 Hz, 3-phase 3HP Assigned motor power at 2002 V60 Hz, 3-phase 3HP Assigned motor power at 2002 V60 Hz, 3-phase 3HP Assigned motor power at 2002 V60 Hz, 3-phase 3HP Assigned motor power at 2002 V60 Hz, 3-phase 3HP Assigned motor power at 2002 V60 Hz, 3-phase 3HP Assigned motor power at 2002 V60 Hz, 3-phase 3HP Assigned motor power at 2002 V60 Hz, 3-phase 3HP Control circuit reliability 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 1 Number of auxiliary contacts (charge-over contacts) 0 Number of auxiliary contacts (normally open contacts) 0 Actuator 0 Actuator function W1b 0 (0H) position Actuator function 0 Equipment hast dissipation, courrent-dependent Pvid 0 Bott dissipation concarby Pries 0W Equipment hast dissipation, courrent-dependent Pvid 0W Rated operational curre	Switching capacity (auxiliary contacts, pilot duty)	
Motor rating Motor rating Motor rating Assigned motor power at 15/120 //60 Hz, 1-phase 0.5 HP Assigned motor power at 200/280 //60 Hz, 1-phase 1HP Assigned motor power at 200/280 //60 Hz, 1-phase 3HP Assigned motor power at 200/280 //60 Hz, 1-phase 3HP Assigned motor power at 200/280 //60 Hz, 3-phase 3HP Assigned motor power at 250/280 //60 Hz, 3-phase 75 HP Assigned motor power at 250/280 //60 Hz, 3-phase 75 HP Control circuit reliability 1falue per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V DC, 1 mAlure per 100,000 switching operations statistically determined, at 24 V MC (10	Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	130 A
Assigned motor power at 151/120 /, 60 Hz, 1-phase Assigned motor power at 2002/08 /, 60 Hz, 3-ph	Voltage per contact pair in series	60 V
Assigned motor power at 200/280 V, 60 Hz, 1-phase IHP Assigned motor power at 200/280 V, 60 Hz, 1-phase 3HP Assigned motor power at 200/280 V, 60 Hz, 1-phase 3HP Assigned motor power at 200/280 V, 60 Hz, 1-phase 3HP Assigned motor power at 200/280 V, 60 Hz, 1-phase 3HP Assigned motor power at 200/280 V, 60 Hz, 1-phase 3HP Assigned motor power at 200/280 V, 60 Hz, 1-phase 75 HP Assigned motor power at 200/280 V, 60 Hz, 1-phase 75 HP Control circuit reliability 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 1 Number of auxiliary contacts (hange-over contacts) 0 Number of auxiliary contacts (normally closed contacts) 1 Number of auxiliary contacts (normally open conacts) 1 Actuator function 1 Actuator function 1 Actuator function 1 Returb function 1 Baippinent heat dissipation, current dependent Pvid 0 Heat dissipation, current dependent Pvid 0W Heat dissipation, non-current-dependent Pvid 0W Bated operational current for specified heat dissipation (In) 1022 Verification of resistance of insulting materials to normal heat<	Motor rating	
Assigned motor power at 200/268 V, 60 Hz, 3-phase IMP Assigned motor power at 200/260 V, 60 Hz, 3-phase IMP Assigned motor power at 200/260 V, 60 Hz, 3-phase IMP Assigned motor power at 200/260 V, 60 Hz, 3-phase IMP Assigned motor power at 200/260 V, 60 Hz, 3-phase IMP Assigned motor power at 50%00 V, 60 Hz, 3-phase IMP Control circuit reliability Image: Statistical V determined, at 24 V DC, 1 Number of auxiliary contacts (normally closed contacts) Image: Statistical V determined, at 24 V DC, 1 Number of auxiliary contacts (normally closed contacts) Image: Statistical V determined, at 24 V DC, 1 Number of contacts Image: Statistical V determined, at 24 V DC, 1 Actuator function Image: Statistical V determined, at 24 V DC, 1 Number of auxiliary contacts (normally contacts) Image: Statistical V determined, at 24 V DC, 1 Actuator function Image: Statistical V determined, at 24 V DC, 1 Actuator function Image: Statistical V determined, at 24 V DC, 1 Return of ficiation Image: Statistical V determined, at 24 V DC, 1 Return of ficiation Image: Statistical V determined, at 24 V DC, 1 Return of ficiation Image: Statistical V determined, at 24 V DC, 1 Return of ficiation </td <td>Assigned motor power at 115/120 V, 60 Hz, 1-phase</td> <td>0.5 HP</td>	Assigned motor power at 115/120 V, 60 Hz, 1-phase	0.5 HP
Assigned motor power at 230/240 V, 60 Hz, 3-phase 15 HP Assigned motor power at 230/240 V, 60 Hz, 3-phase 3 HP Assigned motor power at 450/480 V, 60 Hz, 3-phase 75 HP Assigned motor power at 55/5600 V, 60 Hz, 3-phase 75 HP Contracts 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 1 mA) Number of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Number of auxiliary contacts (normally closed 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 12 Actuator function 12 Actuator type 0 Design verification 10 Heat dissipation, current-dependent Pvid 0 Heat dissipation per pole, current-dependent Pvid 0 Number of auxiliary contacts on mail matrials to normal heat 0 10222 Corrosion resistance 0 Rated operational current for specified heat dissipation (In) 0 Notacon resistance 10221 Corrosion re	Assigned motor power at 200/208 V, 60 Hz, 1-phase	1 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 460/480 V, 60 Hz, 3-phase 7.5 HP Contracts 1 failure per 100,000 switching operations statistically determined, at 24 VDC, 1 mAl Number of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Actuator 12 Actuator function 12 Actuator type 0 Design verification 0 Read operational current-dependent Pvid 0 Heat dissipation, current-dependent Pvid 0 Rated operational current for specified heat dissipation (In) 0 1022 Corrosion resistance 0 10232 Verification of resistance of insultating materials to normal heat 0 10232 Verification of resistance of insultating materials to normal heat 0 10232 Verification of resist	Assigned motor power at 200/208 V, 60 Hz, 3-phase	3 HP
Assigned motor power at 460/480 V, 60 Hz, 3-phase 75 HP Assigned motor power at 450/480 V, 60 Hz, 3-phase 75 HP Contacts 75 HP Contact (change-over contacts) 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 1 mA/ Number of auxiliary contacts (change-over contacts) 0 Autotor function 12 Actuator function 10 Actuator function 10 Actuator function 10 Equipment heat dissipation, current-dependent Pvid 10 Heat dissipation capacity Pdiss 0W Rated operational current for specified heat dissipation (n) 10 102.22 Verification of thermal stability of enclosures 10 102.32 Verification of thermal stability of enclosures 10 102.32 Verification of thermal stability of enclosures	Assigned motor power at 230/240 V, 60 Hz, 1-phase	1.5 HP
Assigned motor power at 460/460 V, 60 Hz, 3-phase F F F Assigned motor power at 575/060 V, 60 Hz, 3-phase 7.5 HP Contracts	Assigned motor power at 230/240 V, 60 Hz, 3-phase	3 HP
Assigned motor power at 575/600 V, 60 Hz, 3-phase Image: Contracts 75 HP Contracts Image: Control circuit reliability 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 1 Number of auxiliary contacts (change-over contacts) 0 0 Number of auxiliary contacts (normally closed contacts) 0 0 Number of auxiliary contacts (normally closed contacts) 0 0 Number of auxiliary contacts (normally closed contacts) 0 0 Actuator function 12 12 0 Actuator function 0 0 0 Actuator function 0 0 0 Equipment heat dissipation, current-dependent Pvid 0 0 0 Heat dissipation capacity Pdiss 0 0 0 0 0 Rated operational current for specified heat dissipation (In) 0		7.5 HP
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Control circuit reliability Infalure per 100,000 switching operations statistically determined, at 24 V D.C. In AA Number of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Number of auxiliary contacts (normally copen contacts) 0 Actuator function 1 Actuator function 1 Actuator function 1 Actuator function 1 Equipment heat dissipation, current-dependent Pvid 5 Heat dissipation current dependent Pvid 0 Heat dissipation, non-current-dependent Pvid 0 Static heat dissipation, non-current-dependent Pvid 0 102.22 Corrosion resistance 0 102.31 Verification of resistance of insulting materials to normal heat 1 102.32 Nerification of resistance of insulting materials to normal heat 1 102.33 Resist of insult materials to normal heat 1 102.43 Resistance to ultra-violet (UV) radiation 1	Contacts	
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10.2.3.2 Verification of resistance of insulating materials to normal heatMeets the product standard's requirements.10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effectsMeets the product standard's requirements.10.2.4 Resistance to ultra-violet (UV) radiationUV resistance only in connection with protective shield.	10.2.2 Corrosion resistance	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.	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation UV resistance only in connection with protective shield.	10.2.3.2 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.
10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated.	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.	10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions Meets the product standard's requirements.	10.2.7 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) / Off-load switch (EC001105)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Load-break switch (ecl@ss13-27-37-14-05 [AKF062018])

Model		Reversing Dahlander switch
Number of poles		3
With zero (off) position		Yes
With retraction in 0-position		No
Rated permanent current lu	А	20
Rated operation current le at AC-3, 400 V	А	11.5
Rated operation power at AC-3, 400 V	kW	4
Degree of protection (IP), front side		IP65
Degree of protection (NEMA), front side		12
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
Suitable for floor mounting		No
Suitable for front mounting		Yes
Suitable for distribution board installation		No
Suitable for intermediate mounting		No
Complete device in housing		No
Housing material		Plastic
Type of control element		Short thumb-grip
Type of electrical connection of main circuit		Screw connection