DATASHEET - P1-40/I2H/SVB/N

Main switch, P1, 40 A, surface mounting, 3 pole + N, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position, hard knockout version



Part no.	P1-40/I2H/SVB/N
	199924
EL Number	1403761
(Norway)	

General specifications

General specifications	
Product name	Eaton Moeller® series P1 Main switch
Part no.	P1-40/I2H/SVB/N
EAN	4015082953294
Product Length/Depth	115 millimetre
Product height	180 millimetre
Product width	100 millimetre
Product weight	0.586 kilogram
Compliances	CE UKCA
Certifications	IEC/EN 60947-3 IEC/EN 60947 IEC/EN 60204
Product Tradename	P1
Product Type	Main switch
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
Features & Functions	
Enclosure material	Polycarbonate
Features	Version as main switch Version as maintenance-/service switch Version as emergency stop installation
Fitted with:	Red rotary handle and yellow locking ring Auxiliary contact
Functions	Emergency switching off function Interlockable
Locking facility	Lockable in the 0 (Off) position
Number of poles	3+N
General information	
Accessories	Auxiliary contact fitted by user.
Degree of protection	IP65
Degree of protection (front side)	IP65
Lifespan, mechanical	300,000 Operations
Mounting method	Surface mounting
Mounting position	As required
Operating frequency	50 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
Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
Switching angle	90 °
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	40 °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

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Server der Image and in der server de	Terminal capacity	
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Electrical rating Image and advance speerly with Water by test (5009-2) Electrical advance speerly with Water by test	Screw size	M4, Terminal screw
Inter breaking equally at MQ415 Vices plain IEE 6007-3) 20 20 A Inter breaking equation of (a) at 62.23 (X1 20 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 20 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 20 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 20 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 20 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 Rate dependent corrers (b) at 62.30 (X1 40 V) 20 20 <td< td=""><td>Tightening torque</td><td>1.6 Nm, Screw terminals</td></td<>	Tightening torque	1.6 Nm, Screw terminals
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Rest spennionic current (b) at AC 3,00 V,400 V,450 V 20 Rest dependionic current (b) at AC 3,00 V,400 V 20 Rest dependionic current (b) at AC 204,00 V,450 V 20 Rest dependionic current (b) at AC 204,00 V,450 V 20 Rest dependionic current (b) at AC 204,00 V,450 V 20 Rest dependionic current (b) at AC 204,00 V,450 V 20 Rest dependionic current (b) at AC 204,00 V,450 V 20 Rest dependionic current (b) at AC 204,00 V,450 V 20 Rest dependionic cover at AC-3,00 V,450 V 20 Rest dependionic cover at AC-3,00 V,450 V 20 Rest dependionic cover at AC-204,00 V,50 Pic 50W Rest dependionic cover at AC-204,00 V,50 Pic 10W Rest dependionic cover a	Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	130 kA
And operatorial current (b) at AC3, 480 V, 590 VImage operatorial current (b) at AC3, 480 V, 590 VImage operatorial current (b) at AC3, 480 V, 590 VRend operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VRend operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VRend operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VRend operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VRend operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VRend operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at an AC3, 480 V, 591 VRend operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at an AC3, 480 V, 591 VImage operatorial current (b) at an AC3, 480 V, 591 VRend operatorial current (b) at AC3, 480 V, 591 VImage operatorial current (b) at an AC3, 480 V, 591 VImage operatorial current (b) at an AC3, 480 V, 591 VRend operatorial current (b)Image operatorial current (b) at an AC3, 480 V, 591 VImage operatorial current (b) at an AC3, 480 V, 591 VRend operatorial current (b)Image operatorial current (b) at an AC3, 480 V, 591 VImage operatorial current (b) at an AC3, 480 V, 591 VRend operat	Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	30 A
Rated operational current (bit at A2 24, 260 V 40 A Rated operational current (bit at A2 24, 260 V 40 A Rated operational current (bit at A2 24, 260 V 40 A Rated operational current (bit at A2 24, 260 V 50 A Rated operational current (bit at A2 24, 260 V) 50 A Rated operational current (bit at A2 24, 260 V) 50 V Rated operational current (bit at A2 24, 260 V) 50 V Rated operational power at A3, 310 V, 50 H 50 V Rated operational operation A3, 260 V, 50 H 50 V Rated operational operation A3, 260 V, 50 H 10 V Rated operational obleg (bit at A2 - min Rate operation Rate operate operate operation Rate operate operate operate operate operate	Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	30 A
Rated operational current liph at A2-23A, 200 V 109 V 0 A Rated operational current liph A2-23A, 400 V, 59 V; 0 A Rated operational power at A2-30, 500 V50 F(c) 15 W Rated operational power at A2-300 V50 F(c) 15 W Rated operational power at A2-300 V50 F(c) 15 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Rated operational power at A2-300 V50 F(c) 16 W Stational power at A2-300 V50 F(c) 16 W Stational power at A2-300 V50 F(c) 16 W Stational power at A2-300 V50 F(c) 16 W	Rated operational current (Ie) at AC-3, 660 V, 690 V	17 A
Rand operational current load AC 23A, 400 V 415 V PA Rand operational current load AC 23A, 500 V 50 Hz PA Rand operational power at AC 3, 300 400 V 50 Hz IS W Rand operational power at AC 3, 300 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W Rand operational power at AC 3, 400 V 50 Hz IS W 50 Hz Rand operational power at A	Rated operational current (Ie) at AC-21, 440 V	40 A
Rated quarticular current (b) at AC-230, 800 V0 50 Ft 500 Rated operational power at AC3, 300 V0 50 Ft 500 Rated operational power at AC3, 400 V0 50 Ft 500 Rated operational power at AC3, 202 X02 V0 50 Ft 500 Rated operational power at AC3, 202 X02 V0 50 Ft 500 Rated operational power at AC3, 202 X02 V0 50 Ft 500 Rated operational power at AC3, 202 X02 V0 50 Ft 600 Rated operational power at AC3, 202 X02 V0 50 Ft 600 V Rated operational power at AC3, 202 X02 V0 50 Ft 600 V Rated operational power at AC3, 202 X02 V0 50 Ft 600 V Rated operational colorest at AC-230, 600 V0 50 Ft 600 V Rated operational voltage (U) at AC - min 600 V Rated operational voltage (U) at AC - min 600 V Rated operational voltage (U) at AC - min 600 V Rated operational voltage (U) at AC - min 600 V Rated operational voltage (U) at AC - min 600 V Rated operational voltage (U) at AC - min 600 V Rated operational voltage (U) at AC - min 600 V Rated operational voltage (U) at AC - min 600 V Rated operational voltage (U) at AC - min 600 V Rated operational voltage (U) at AC - min 600 V Rated operational voltage (U) at AC - min 600 V Rated ope	Rated operational current (Ie) at AC-23A, 230 V	40 A
Rated operational power at AC-3 320/000 V, 50 Hz ISAW Rated operational power at AC-3, 410 V, 50 Hz ISAW Rated operational power at AC-3, 410 V, 50 Hz ISAW Rated operational power at AC-23, 420 V, 50 Hz ISAW Rated operational power at AC-23, 420 V, 50 Hz ISAW Rated operational power at AC-23, 420 V, 50 Hz ISAW Rated operational power at AC-23, 420 V, 50 Hz ISAW Rated operational power at AC-23, 420 V, 50 Hz ISAW Rated operational power at AC-23, 420 V, 50 Hz ISAW Rated operational voltage U(b) at AC - max ISAW Rated operational voltage U(b) at AC - max ISAW Inder constitution voltage U(b) at AC - max ISAW Rated operational voltage U(b) at AC - max ISAW Rated operational voltage U(b) at AC - max ISAW Rated operation voltage U(b) at AC - max ISAW Rated operation voltage U(b) at AC - max ISAW Rated operation voltage U(b) at AC - max ISAW Rated operation voltage U(b) at AC - max ISAW Notice ISAW Rated operation voltage U(b) at AC - max ISAW Notice ISAW Rated operation voltage U(b) at AC - max	Rated operational current (Ie) at AC-23A, 400 V, 415 V	40 A
Rated operational power at AC 3, 415 V, 50 Hz IS MV Rated operational power at AC 3, 450 V, 50 Hz IS MV Rated operational power at AC 30, 500 V, 50 Hz IS MV Rated operational power at AC 30, 500 V, 50 Hz IS MV Rated operational power at AC 30, 500 V, 50 Hz IS MV Rated operational power at AC 30, 500 V, 50 Hz IS MV Rated operational power at AC 30, 500 V, 50 Hz IS MV Rated operational power at AC 30, 500 V, 50 Hz IS MV Rated operational power at AC 30, 500 V, 50 Hz IS MV Rated operational power at AC 30, 500 V, 50 Hz IS MV Rated operational power at AC 30, 500 V, 50 Hz IS MV Rated onitional solutional	Rated operational current (Ie) at AC-23A, 690 V	20 A
Rada dpratinal power at A2-3, 389 V, 50 Hz IS MV Rada dpratinal power at A2-3, 282 30 V, 50 Hz IS MV Rada dpratinal power at A2-3, 280 V, 90 Hz EX VV Rada dpratinal power at A2-3, 280 V, 90 Hz B00 V Rada dpratinal power at A2-3, 280 V, 90 Hz B00 V Rada dpratinal voltage IU0 at AC - max B00 V Rada dpratinal voltage IU0 at AC - max B00 V Rada dpratinal voltage IU0 at AC - max B00 V Rada dpratinal voltage IU0 at AC - max B00 V Rada dpratinal voltage IU0 at AC - max B00 V Rada derification at hort-circuit current (1) B00 V Short-circuit rating B04 AC contexts. Rada derification at hort-circuit current (1) B04 AC contexts. Short-circuit protector rating B04 AC contexts. Short-circuit protector rating B04 AC contexts. Lad rating I site Voltage Contexts. Number of auxilary contexts (frage-rower cartacts) A Site AC contexts. Control circuit reliability I site Voltage Contexts. Number of auxilary contexts (frage-rower cartacts) A Site AC context. Ratad contexts (frage-rower cartacts) A Site Vo	Rated operational power at AC-3, 380/400 V, 50 Hz	15 kW
Rated operational power at AC-23A, 200,200 V,50 Hz IN W Rated operational power at AC-23A, 600 V,50 Hz 22 W Rated operational power at AC-23A, 600 V,50 Hz 680 V Rated operational voltage (04) at AC - max 680 V Rated operational voltage (04) at AC - max 680 V Rated operational voltage (04) at AC - max 680 V Rated operational voltage (04) at AC - max 680 V Sourc-circuit voltage (04) at AC - max 680 V Rated operational voltage (04) at AC - max 680 V Sourc-circuit rate 680 V Rated operational voltage (04) at AC - max 680 V Rated onditional short-circuit current (16) 680 V Rated onditional short-circuit current (16) 680 V Rated short-time withstand current (16) 681 A Rated short-time withstand current (16) 681 A Sourch Circuit protection rating 584 A (A clentact, 1 second Sourch Circuit protection rating 584 A (A clentact, 1 second Sourch Circuit protection rating 584 A (V (W) intermittent operation cless 12, 69 % du/p factor) Number of auxiliary contacts (change- over contacts) 610 P Number of auxiliary contacts (change- over contacts) 610 P	Rated operational power at AC-3, 415 V, 50 Hz	15 kW
Rated operational power at AC-23A, 400 V, 50 Hz Image operational power at AC-23A, 400 V, 50 Hz Image operational power at AC-23A, 400 V, 50 Hz Rated operational power at AC-23A, 400 V, 50 Hz Image operational voltage (U) at AC - min Image operational voltage (U) at AC - max Rated operational voltage (U) at AC - max 690 V Ad- Rated uninterrupted current (U) Image operational voltage (U) at AC - max 690 V Rated uninterrupted current (U) Rated voltage (U) at AC - max 690 V Rated operational inforcing turnernt (U) Rated voltage (U) at AC - max 690 V Rated operational functional turnernt (U) 840 A - Contacts, second 804 A - Contacts, second Short-circuit roting 30 A A G/G (L) Fuse, Contacts 804 A - Contact, second Switching capacity 30 A A G/G (L) Fuse, Contacts 804 A - Contact, second Contact circuit roting woltage (U) at AC - max 15 k // (with intermittent operation class 12, 65 k duy factor) Number of auxiliary contacts (hange-over contacts) Max 16 A - A - A - A - A - A - A - A - A - A	Rated operational power at AC-3, 690 V, 50 Hz	15 kW
Rated operational power at AC-23A, 690 V, 50 H2 185 kW Rated operational voltage (Ub) at AC - min 690 V Rated operational voltage (Ub) at AC - max 690 V Rated operational voltage (Ub) at AC - max 600 A Initiarrupted current (Ua) 600 A Initiarrupted current (Ua) 600 A Rated onitorrupted current (Ua) 600 A Rated conditional short-fricuit current (Ua) 600 A Short-circuit rotation rating 600 A Short-circuit rotation rating 600 A Short-circuit protection rating 600 A Short-circuit rotacits in training 13 k1 (with intermittent operation class 12, 00 % duty factor) Lond rating 13 k1 (with intermittent operation class 12, 00 % duty factor) Number of auxilary contacts (homaly open contacts) 6 Number of auxilary contacts (homaly open contacts) 6 Number of auxilary contacts (homaly open contacts) 8 Statu bart dissipation, non-current dependent Pvid	Rated operational power at AC-23A, 220/230 V, 50 Hz	11 kW
Rated operational voltage (Ue) at AC - max 600 V Rated operational voltage (Ue) at AC - max 600 V Rated operational voltage (Ue) at AC - max 600 V Rated operational voltage (Ue) at AC - max 600 V Rated operational voltage (Ue) at AC - max 600 V Rated ontertured current (Un) 600 V Uninterrupted current (Uew) 600 V Rated ontritional short-circuit current (In) 600 V Short-circuit rotaction rating 500 A GirgL, Fuse, Contacts Switching capacity 500 A GirgL, Fuse, Contacts Lod rating 15 is (with intermittent operation class 12, 05 % dity factor) Control circuit reliability 15 is (with intermittent operation class 12, 05 % dity factor) Number of auxiliary contacts (homego-over contacts) 16 V Number of auxiliary contacts (homego-over contacts) 16 V Number of auxiliary contacts (homego ever contacts) 000 Coupling rotary drive Actuator rule 000 Coupling rotary drive Eqcign with a dissispation, current-dependert Pvid	Rated operational power at AC-23A, 400 V, 50 Hz	22 kW
Rated uninterrupted current (lu) 600 V Rated uninterrupted current (lu) 60A Uninterrupted current (lu) 60A Short-circuit rating 60A Rated uninterrupted current (lu) 60A Rated continued short-circuit current (lu) 60A Rated continued short-circuit current (lu) 60A Rated short-circuit current (lu) 60A Short-circuit protection rating 60A Short-circuit protection rating 60A (Carles, 1 second Short-circuit protection rating 60A (Carles, 1 second Short-circuit rating 60A (Carles, 1 second Short-circuit rating 60A (Carles, 1 second Contacts 60A (Carles, 1 second Number of auxiling contacts (chang-over contacts) 1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 Number of auxiling contacts (chang-over contacts) 60A Retator 64A Retator color 64A Actuator color 64A <td>Rated operational power at AC-23A, 690 V, 50 Hz</td> <td>18.5 kW</td>	Rated operational power at AC-23A, 690 V, 50 Hz	18.5 kW
Read uninterrupted current (lu) 40 A Uninterrupted current Reade uninterrupted current lu is specified for max. cross-section. Short-circuit rating 80 A Reade donditional short-circuit current (lu) 80 A Reade donditional short-circuit current (lu) 80 A Reade donditional short-circuit current (lu) 80 A Short-circuit protection rating 50 A GB(3), fuse, Contacts Short-circuit protection rating 50 A GB(3), fuse, Contacts Soutchaing 50 A GB(3), fuse, Contacts Contracts 50 A GB(3), fuse, Contacts Number of auxiliary contacts (hange-over contacts) 13. x I/ (with intermittent operation class 12, 20 % duy factor) Number of auxiliary contacts (hormally closed contacts) 14. Jaure per 100,000 switching operation class 12, 20 % duy factor) Number of auxiliary contacts (hormally closed contacts) 14. Jaure per 100,000 switching operation class 12, 20 % duy factor) Actuator 10. Jaure per 100,000 switching operation class 12, 20 % duy factor)	Rated operational voltage (Ue) at AC - min	690 V
Uniterrupted current Ated animetrupted current lui sepecified for max. cross-section. Shot-circuit rating Bated conditional shot-circuit current (lq) Bated conditional shot-circuit current (lq) Bated conditional shot-circuit current (lq) BAteA contacts, 1 second BAteA contacts, 1 second </td <td>Rated operational voltage (Ue) at AC - max</td> <td>690 V</td>	Rated operational voltage (Ue) at AC - max	690 V
Short-circuit rating 80 kA Rated conditional short-circuit current ((u) 80 kA Bated short-time withstand current ((uv) 80 kA Short-circuit protection rating 90 A g/g/L, Fuse, Contacts Switching capacity 90 A g/g/L, Fuse, Contacts Load rating 13 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 3 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) 3 x I / (with intermittent operation class 12, 26 % duy factor) 2 x I / (with intermittent operation class 12, 26 % duy factor) <t< td=""><td>Rated uninterrupted current (lu)</td><td>40 A</td></t<>	Rated uninterrupted current (lu)	40 A
Rated conditional short-circuit current (lqu) 80 AA Rated short-time withstand current (lqu) 80 AA Short-circuit protection rating 90 AQ[qL, Fuse, Contacts.] Switching capacity 13 x IF (with intermittent operation class 12, 60 % duy factor) Load rating 1.3 x IF (with intermittent operation class 12, 20 % duy factor) Contracts 1.3 x IF (with intermittent operation class 12, 20 % duy factor) Contract circuit reliability 1.4 x IF (with intermittent operation class 12, 20 % duy factor) Number of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (normally open contacts) 0 Number of auxiliary contacts (normally open contacts) 0 Actuator color Red Actuator type 0 Design verification 0 Equipment hast dissipation, current-dependent Pvid 0 Heat dissipation opacity Paiss 0 Rated operational current to specified heat dissipation (n) 0 Bated sipation, current-dependent Pvid 0 Rated operational current tor specified heat dissipation (n) 0 Bated sipation, current-dependent Pvid 0 Rated doperational current tor specified heat dissipation (n) 0 <td>Uninterrupted current</td> <td>Rated uninterrupted current lu is specified for max. cross-section.</td>	Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Rated short-time withstand current (lcw) Data Ka Short-circuit protection rating Data Ka Short-circuit protection rating Data Ka Lod rating 13x 14 (with intermittent operation class 12, 60 % duty factor) Lod rating 13x 14 (with intermittent operation class 12, 26 % duty factor) Contracts 13x 14 (with intermittent operation class 12, 26 % duty factor) Contracts 13x 14 (with intermittent operation class 12, 26 % duty factor) Contracts Tailure per 100,000 switching operation class 12, 25 % duty factor) Number of auxiliary contacts (change-over contacts) Iailure per 100,000 switching operation class 12, 25 % duty factor) Number of auxiliary contacts (change-over contacts) 0 Number of auxiliary contacts (normally closed contacts) 0 Actuator 0 Actuator color Red Actuator type Oor coupling rotary drive Equipment heat dissipation (neurent-dependent Pvid V Ret dispation on-current-dependent Pvid V Heat dissipation on-current-dependent Pvid V Ret dispation on-current-dependent Pvid V Ret dispation on-current-dependent Pvid V Rota operadical current for specified heat dissipatio	Short-circuit rating	
Bit A Contacts, 1 second Switching capacity 50 A glo/gL, Fuse, Contacts Switching capacity 50 A glo/gL, Fuse, Contacts Load rating 13 x I/ (with intermittent operation class 12, 20 % dury factor) Load rating 13 x I/ (with intermittent operation class 12, 20 % dury factor) Contacts 13 x I/ (with intermittent operation class 12, 20 % dury factor) Control circuit reliability 14 x I/ (with intermittent operation class 12, 20 % dury factor) 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 open contacts) 0 Actuator color Red Actuator color Red Actuator color No Actuator color Sufficiention Red displation capacity Pdiss 0 Red displation capacity Pdiss 0 Red displation capacity Pdiss 0 Red displation of hereind stability of enclosures 0 Red displation of hereind stability of enclosures 0 Red displation appropriot (Pdiss) 0 Red displation	Rated conditional short-circuit current (Iq)	80 kA
Switching capacity 13 k l (with intermittent operation class 12, 60 % duty factor) Load rating 13 k l (with intermittent operation class 12, 60 % duty factor) Contracts 15 k l (with intermittent operation class 12, 60 % duty factor) Contracts 15 k l (with intermittent operation class 12, 60 % duty factor) Contracts 15 k l (with intermittent operation class 12, 50 % duty factor) Contracts 15 k l (with intermittent operation class 12, 50 % duty factor) Contracts 15 k l (with intermittent operation class 12, 50 % duty factor) Number of auxiliary contacts (change-over contacts) 16 duty for the statistically determined, at 24 V DC, 10 mAl Number of auxiliary contacts (change-over contacts) 0 Actuator of auxiliary contacts (change-over contacts) 0 Actuator color Red Actuator of auxiliary contacts (change-over contacts) 0 Equipment heat dissipation, current-dependent Pvid 0 Heat dissipation capacity Pdiss 0 Red operational current fospecified heat dissi	Rated short-time withstand current (Icw)	
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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])

[AKF060013])		
Version as main switch		Yes
Version as maintenance-/service switch		Yes
Version as safety switch		No
Version as emergency stop installation		Yes
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 lu	А	40
Rated permanent current at AC-23, 400 V	А	40
Rated permanent current at AC-21, 400 V	А	40
Rated operation power at AC-3, 400 V	kW	15
Rated short-time withstand current Icw	kA	0.64
Rated operation power at AC-23, 400 V	kW	22
Switching power at 400 V	kW	22
Conditioned rated short-circuit current Iq	kA	80
Number of poles		4
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		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
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	IP65
Degree of protection (NEMA)	