DATASHEET - P3-63/I4/SVB/HI11

Main switch, P3, 63 A, surface mounting, 3 pole, 1 N/O, 1 N/C, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position



Part no. EL Number (Norway)	P3-63/I4/SVB/HI11 207348 1457892	
Product name		Eaton Moeller® series P3 Main switch
Part no.		P3-63/I4/SVB/HI11
EAN		4015082073480
Product Length/Depth		139 millimetre
Product height		240 millimetre
Product width		160 millimetre
Product weight		1.225 kilogram
Certifications		IEC/EN 60947-3
		UL CSA IEC/EN 60204 VDE 0660 IEC/EN 60947
Product Tradename		P3
Product Type		Main switch
Product Sub Type		None
Catalog Notes		Rated Short-time Withstand Current (Icw) for a time of 1 second
Features		Version as emergency stop installation Version as main switch Version as maintenance-/service switch Version as safety 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		3
Accessories		Auxiliary contact or neutral conductor fitted by user.
Degree of protection		NEMA 12
Degree of protection (front side)		IP65
Lifespan, mechanical		100,000 Operations
Mounting method		Surface mounting
Mounting position		As required
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 - min		-25 °C
Ambient operating temperature - max		40 °C
Ambient operating temperature (enclosed) - min		-25 °C

Climatic proofing

Ambient operating temperature (enclosed) - max

40 °C

Damp heat, constant, to IEC 60068-2-78

	Damp heat, cyclic, to IEC 60068-2-30
Terminal capacity	1 x (2.5 - 35) mm ² , solid or stranded 1 x (1.5 - 25) mm ² , flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm ² , flexible with ferrules to DIN 46228 14 - 2 AWG, solid or flexible with ferrule 2 x (2.5 - 10) mm ² , solid or stranded
Screw size	M5, Terminal screw
Tightening torque	3 Nm, Screw terminals 26.5 lb-in, Screw terminals
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	640 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	600 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	590 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	340 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	51 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	55 A
Rated operational current (Ie) at AC-3, 500 V	44 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	22.1 A
Rated operational current (Ie) at AC-21, 440 V	63 A
Rated operational current (Ie) at AC-23A, 230 V	63 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	63 A
Rated operational current (Ie) at AC-23A, 500 V	63 A
Rated operational current (Ie) at AC-23A, 690 V	63 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	63 A
Rated operational current (Ie) at DC-23A, 24 V	50 A
Rated operational current (Ie) at DC-23A, 48 V	50 A
Rated operational current (Ie) at DC-23A, 60 V	50 A
Rated operational current (Ie) at DC-23A, 120 V	25 A
Rated operational power at AC-3, 380/400 V, 50 Hz	30 kW
Rated operational power at AC-3, 415 V, 50 Hz	30 kW
Rated operational power at AC-3, 500 V, 50 Hz	30 kW
Rated operational power at AC-3, 690 V, 50 Hz	30 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	18.5 kW
Rated operational power at AC-23A, 400 V, 50 Hz	30 kW
Rated operational power at AC-23A, 500 V, 50 Hz	45 kW
Rated operational power at AC-23A, 690 V, 50 Hz	55 kW
Rated operational voltage (Ue) at AC - min	690 V
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (lu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Reted conditional short-circuit surrent (Ia)	/ k/ (l pad side)
Rated conditional short-circuit current (Iq)	4 kA (Load side) 100 kA (Supply side)
Rated short-time withstand current (Icw)	1.26 kA
Short-circuit current rating (basic rating)	150A, max. Fuse, SCCR (UL/CSA) 10 kA, SCCR (UL/CSA)
Short-circuit protection rating	80 A gG/gL, Fuse, Contacts
Load rating	1.3 x l# (with intermittent operation class 12, 60 % duty factor) 1.6 x l# (with intermittent operation class 12, 40 % duty factor) 2 x l# (with intermittent operation class 12, 25 % duty factor)
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	2
Number of contacts in series at DC-23A, 120 V	3
Switching capacity (main contacts, general use)	60 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)

10.12 Electromagnetic compatibility observed. 10.13 Mechanical function Image: Compatibility of the system of the sys		
Assigned motor power at 202001 V, 00 Hz, 1-phase Image: Part of the Part o	Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	800 A
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Assigned notor power at S20240 V 00 Hz, b phase 19 HP Assigned notor power at S20240 V 00 Hz, b phase 19 HP Contral circuit reliability 110 mp pr 100,000 avatching operations statistically determined, at 24 V DC, 10 m, And	Assigned motor power at 200/208 V, 60 Hz, 3-phase	15 HP
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Assigned motor power at 325000 V.00 H2, 3-phase 50 HP Control circuit reliability 1 failure per 100,000 switching aperations statistically determined, at 24 V DC, 10 mAl Number of auxiliary contacts (formally contracts) 0 Number of auxiliary contacts (formally contracts) 1 Actuator color Red Actuator color Red Actuator color Sold P Equipment heard dissipation, current-dependent Pvid 50 W 102.2 Corresion resistance 0 W 102.3 Urification of thermal stability of molesares Meets the product standard's requirements. 102.3 Urification of thermal stability of molesares Meets the product standard's requirements. 102.3 Discritication of resistance of insulation ontal heard files by internal elect. Elect Meets the product standard's requirements. 102.3 Discritication of statistical directs Meets the product standard's requirements. 102.3 Discritication of assembles <td< td=""><td>Assigned motor power at 230/240 V, 60 Hz, 3-phase</td><td>15 HP</td></td<>	Assigned motor power at 230/240 V, 60 Hz, 3-phase	15 HP
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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

Version as main switch	Yes
Version as maintenance-/service switch	Yes
Version as safety switch	Yes

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	A	63
Rated permanent current at AC-23, 400 V	А	63
Rated permanent current at AC-21, 400 V	А	63
Rated operation power at AC-3, 400 V	kW	30
Rated short-time withstand current lcw	kA	1.26
Rated operation power at AC-23, 400 V	kW	30
Switching power at 400 V	kW	30
Conditioned rated short-circuit current Iq	kA	100
Number of poles		3
Number of auxiliary contacts as normally closed contact		1
Number of auxiliary contacts as normally open contact		1
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		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)		12