DATASHEET - P3-63/EA/SVB/N



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

Part no.	P3-63/EA/SVB/N
	010398
EL Number	1417003
(Norwav)	

General specifications

Fatures Version as main switch version version as main switch versio	General specifications	
EM Image: Construction of the second secon	Product name	Eaton Moeller® series P3 Main switch
Product Leapth Depth 12 millimetre Product Najht 12 millimetre Product Najht 12 millimetre Product Nasiht 12 Millimetre Product Tardename 12 Millimetre Product State State State State State State State Millimetre 12 Millimetre Product State Stat	Part no.	P3-63/EA/SVB/N
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Product weight 0488 klagram Cartifications 11 CCH N 847-73 Undergony Carter No.: N LFV 12 CCH N 847-74 Undergony Carter No.: N LFV 12 CCH N 847-74 Undergony Carter No.: N LFV 12 CCH N 847-74 Undergony Carter No.: N LFV 12 CCH N 847-74 Undergony Carter No.: N LFV 12 CCH N 847-74 Undergony Carter No.: N LFV 12 CCH N 847-74 Conduct Tradesame P3 Product Tradesame P4	Product height	102 millimetre
Product Trademane P Preatures	Product width	90 millimetre
Product Tradename 3 Product Tradename 8 Fattures 8 Fattures 8 Fattures 8 Interime 8 Product Tradename 8 Interime 8 Interime 8 Interime 8 Interime 8 Interime 8 Interime 8<	Product weight	0.496 kilogram
Product Type Main switch Product Sub Type None Catalog Notes Rated Short-time Withstand Current (Icw) for a time of 1 second Features & Functions Version as main switch Features (Icw) For a time of 1 second Version as main switch Features Version as main switch Features Rated Short-time Withstand Current (Icw) for a time of 1 second Filed with: Rated Short-time Withstand Current (Icw) for a time of 1 second Functions Interlockable Functions Interlockable Interlockable Interlockable Functions Interlockable Number of poles Auxiliary contact fitted by user. Accessories Auxiliary contact fitted by user. Degree of protection from side) Interlockable Mounting position NEMA 1 Mounting position Rester equired Mounting position Rester equired Operating frequency Interlockable Pollution degree Good Operations/h Stafe solation Stafe solation Stafe solation Good Ov AC	Certifications	UL Category Control No.: NLRV IEC/EN 60204 CSA Class No.: 3211-05 CSA-C22.2 No. 60947-4-1-14 CSA-C22.2 No. 94 UL 60947-4-1 CSA File No.: 012528 VDE 0660 CE UL CSA IEC/EN 60947
Product Su Type None Catalog Notes Rated Short-time Withstand Current (lew) for a time of 1 second Features & Functions Version as maintenance/service switch Version as main switch Version as maintenance/service switch Version a	Product Tradename	P3
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Features & Functions Image: Construction of the second	Product Sub Type	None
Features Version as maintenance / service switch Features Version as main switch Fitted with: Comparity on a semergency stop installation Functions Interlockable Functions Interlockable Number of poles Four-pole General information Four-pole Accessories Four-pole Degree of protection (front side) Four-pole Degree of protection (front side) Four-pole Mounting method Four-pole Mounting postion Four-pole Operating frequency Interlockable Degree of protection (front side) Four-pole Output go the main with the distance / second se	Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
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Degree of protection NEMA 1 Degree of protection (front side) P65 Lifespan, mechanical 00,000 Operations Mounting method Fush mounting Mounting position Fush mounting Operating frequency As required Overvoltage category III Pollution degree S000 V AC Safet isolation Fush source (KINSO 13849-1) Shock resistance Suitable for Suitable for Suitable for	General information	
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Lifespan, mechanical 100,000 Operations Mounting method Flush mounting Mounting position As required Operating frequency 200 Operations/h Overvoltage category III Pollution degree 3 Rated impulse withstand voltage (Uimp) 6000 V AC Safet jarameter (EN ISO 13849-1) 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 Branch circuits, suitable as motor disconnect, (UL/CSA) Front mounting 4-hole Franch circuits, suitable as motor disconnect, (UL/CSA) Front mounting 4-hole	Degree of protection	NEMA 1
Mounting method Flush mounting Mounting position As required Operating frequency 1200 Operations/h Overvoltage category III Pollution degree 3 Rated impulse withstand voltage (Uimp) 6000 V AC Safet jarameter (EN ISO 13849-1) 400 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 Suitable for Franch circuits, suitable as motor disconnect, (UL/CSA) Front mounting 4-hole	Degree of protection (front side)	IP65
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) 510d values as per EN ISO 13849-1, table C.1 Shock resistance 51 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 4-hole	Lifespan, mechanical	100,000 Operations
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) 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 4-hole	Mounting method	Flush mounting
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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) Climatic environmental conditions Hermitian	Safe isolation	440 V AC, Between the contacts, According to EN 61140
Suitable for Branch circuits, suitable as motor disconnect, (UL/CSA) Climatic environmental conditions Front mounting 4-hole	Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Climatic environmental conditions	Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
	Suitable for	
Ambient operating temperature - min -25 °C	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
Terminal capacities	Damp heat, cyclic, to IEC 60068-2-30
Terminal capacity	1 x (2.5 - 35) mm², solid or stranded
	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 1 x (1.5 - 25) mm ² , flexible with ferrules to DIN 46228
Screw size	M5, Terminal screw
Tightening torque	3 Nm, Screw terminals 26.5 lb-in, Screw terminals
Electrical rating	
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 (le) at AC-23A, 230 V	63 A
Rated operational current (le) 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 (le) at DC-23A, 24 V	50 A
Rated operational current (le) 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 - max	690 V
Rated uninterrupted current (Iu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Rated conditional short-circuit current (Iq)	100 kA (Supply side) 4 kA (Load side)
Rated short-time withstand current (Icw)	1.26 kA
Short-circuit current rating (basic rating)	10 kA, SCCR (UL/CSA) 150A, max. Fuse, SCCR (UL/CSA)
Short-circuit protection rating	80 A gG/gL, Fuse, Contacts
Switching capacity	
Load rating	2 x l# (with intermittent operation class 12, 25 % duty factor) 1.3 x l# (with intermittent operation class 12, 60 % duty factor) 1.6 x l# (with intermittent operation class 12, 40 % 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

Switchin caccord jumin contract, general case Switchin caccord jumin contract, general case Switching caccord jumin yoursets, jumit day Switching caccord jumin yoursets, jumit day Marger of contract in savies MAIL JUACSO MAIL JUAC		
Suitably appeint justifier contact, plot duty Mark (1905) Nature or contact plot is notice Mark (1905) Assign of mode power 11 1902 (1908) Mark (1906) Assign of mode power 120200 (1908) Mark (1908) Assign of mode power 120200 (1908) Mark (19000) Assign of mo	Switching capacity (main contacts, general use)	60 A, Rated uninterrupted current max. (UL/CSA)
Image and any appropriate of the SCAN (2003) of		
Values are consistent and an area of the second s	Switching capacity (auxiliary contacts, pilot duty)	
Notice rating Image: section of the secti	Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	800 A
Assigned mater power at 12020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Number of studies power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Assigned mater power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place Read disparations (corrent for power at 2020 V, BB 10, 1-place Image of the power at 2020 V, BB 10, 1-place	Voltage per contact pair in series	60 V
Assigned moder gover at 2020 W, 60 ht, sphase Image: Sphere at 2020 W, 60 ht, sphase Assigned moder gover at 2020 W, 60 ht, sphase Image: Sphere at 2020 W, 60 ht, sphase Assigned moder gover at 2020 W, 60 ht, sphase Image: Sphere at 2020 W, 60 ht, sphase Assigned moder gover at 2020 W, 60 ht, sphase Image: Sphere at 2020 W, 60 ht, sphase Contacts Image: Sphere at 2020 W, 60 ht, sphase Contacts Image: Sphere at 2020 W, 60 ht, sphase Contacts Image: Sphere at 2020 W, 60 ht, sphase Contacts Image: Sphere at 2020 W, 60 ht, sphase Contacts Image: Sphere at 2020 W, 60 ht, sphase Contacts Image: Sphere at 2020 W, 60 ht, sphase Number of anality contacts (normaly contacts (normaly contacts) Image: Sphere at 2020 W, 60 ht, sphere at 2020 Ht, sphere at 2020 W, 60 ht, sphere at 2020 W, 60 ht, sphere a	Motor rating	
Assigned motor power at 200026 V, 60 Hz, 3 phase 15 HP Assigned motor power at 200026 V, 60 Hz, 3 phase 10 HP Assigned motor power at 400460 V, 60 Hz, 3 phase 40 HP Assigned motor power at 400460 V, 60 Hz, 3 phase 40 HP Assigned motor power at 400460 V, 60 Hz, 3 phase 10 HP Assigned motor power at 400460 V, 60 Hz, 3 phase 10 HP Assigned motor power at 400460 V, 60 Hz, 3 phase 10 HP Assigned motor power at 400460 V, 60 Hz, 3 phase 10 HP Assigned motor power at 400460 V, 60 Hz, 3 phase 11 Hilms per 100,000 owntching sporators statistically determined, at 24 V DC, 10 mAN Mumber of auxiliary contacts (commaly colone contacts) 6 0 Number of auxiliary contacts (commaly colone contacts) 6 0 Actuator top 8 8 0 Perioder thant displation contacts (fromally colone contacts) 10 HZ 10 HZ Reid displation contacts (fromally colone contacts) 10 HZ 10 HZ Reid displation contacts (fromally colone contacts) 10 HZ 10 HZ Reid displation contacts (fromally colone contacts) 10 HZ 10 HZ Reid displation contacts (fromally colone contacts)	Assigned motor power at 115/120 V, 60 Hz, 1-phase	3 HP
Assigned motor power at 200200 V, BH L, Johase In BHP Assigned motor power at 200200 V, BH L, Johase In BHP Assigned motor power at 200200 V, BH L, Johase In BHP Assigned motor power at 200200 V, BH L, Johase In BHP Assigned motor power at 200200 V, BH L, Johase In BHP Assigned motor power at 200200 V, BH L, Johase In BHP Control circuit reliability In BHP Mumber of axiliary contacts (change over contacts) In BHP Number of axiliary contacts (change over contacts) In BHP Actuator color In BHP Actuator color In BHP Actuator color In BHP Actuator color In BHP Belgin verification In BHP	Assigned motor power at 200/208 V, 60 Hz, 1-phase	7.5 HP
Assigned matter power at 230240 V, BH J, sphase Image: Sphere Power at 230240 V, BH J, sphase Assigned matter power at 230240 V, BH J, sphase Image: Sphere Power At 230240 V, BH J, sphase Assigned matter power at 230240 V, BH J, sphase Image: Sphere Power At 230240 V, BH J, sphase Contract: Image: Sphere Power At 230240 V, BH J, sphase Contract: Image: Sphere Power At 230240 V, BH J, sphase Contract: Image: Sphere Power At 230240 V, BH J, sphase Contract: Image: Sphere Power At 230240 V, BH J, sphase Contract: Image: Sphere Power At 230240 V, BH J, sphase Number of auxiliary contracts (normally come contracts) Image: Sphere Power At 230240 V, BH J, sphase Actuator: Image: Sphere Power At 230240 V, BH J, sphase Actuator: Image: Sphere Power At 230240 V, BH J, sphase Actuator: Image: Sphere Power At 230240 V, BH J, sphase Actuator: Image: Sphere Power At 230240 V, BH J, sphase Actuator: Image: Sphere Power At 230240 V, BH J, sphase Batic Actuator: Image: Sphere Power At 230240 V, BH J, sphase Sphare: Image: Sphere Power At 230240 V, BH J, sphase Batic Actuator: Image: Sphere Power 23024 V, BH J, sphare: Sph	Assigned motor power at 200/208 V, 60 Hz, 3-phase	15 HP
Assigned motor power at 232200 V, 00 Hz, 3 phase 15 HP Assigned motor power at 232200 V, 00 Hz, 3 phase 00 HP Satisfied motor power at 50500 V, 00 Hz, 3 phase 00 HP Contracts 1 shurp per 100,000 swelching operations statistically determined, at 24 V DC, 10 Number of auxiliary contracts (brange-over contracts) 0 Number of auxiliary contracts (brange-over contracts) 0 Actuator over contracts (brange-over contracts) 0 Begin verification 00 V Begin verification 0V Begin verification 0V Basic hard Subjacton, new corres dependent Pvid 65 A Boor coupling rating attracts 0V Boor coupling rating attracts 0V Basic h	Assigned motor power at 230/240 V, 60 Hz, 1-phase	10 HP
Assigned motor power at 450480 V.00 Hz. 3 phase 64 HP Contact 54 HP Contact 1 failure part 100,000 overthing operators staticically determined, at 24 VDC.10 Number of auxiliary contacts (homps-over contacts) 1 failure part 100,000 overthing operators staticically determined, at 24 VDC.10 Number of auxiliary contacts (homps-over contacts) 6 HP Actuator 0 Actuator for Red Actuator for Red Actuator for Number of auxiliary contacts (homps-over contacts) Red contacts Red Actuator for Red Actuator for Number of auxiliary contacts (homps-over contacts) Red contacts Number of auxiliary contacts Red contacts Number o		15 HP
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Control circuit reliability Control circuit reliability Number of auxilary contacts (change over contacts) I taker er per 100,000 overheing sperations statistically determined, at 24 V DC. 10 Number of auxilary contacts (formally closed contacts) 0 Number of auxilary contacts (formally closed contacts) 0 Actuator color 0 Actuator color Red Actuator color 0 Actuator color 0 Period casispation, corrent-dependent Pvid 0 Head dissipation, corrent-dependent Pvid 0 Period casispation, non-corrent-dependent Pvid 0 Number of auxiliary contacts (brandle beat dissipation (n) State hard dissipation, non-corrent-dependent Pvid Note that dissipation, non-corrent-dependent Pvid 0 Note that dissipation of resistance Note the product standard's requirements. 102.21 Verification of themas stability of ancissares Note the product standard's requirements. 102.22 Arrowstance of unsubiding materials to normal heat Note the product standard's requirements. 102.23 Verification of themas stability of ancissares Note the product standard's requirements. 102.24 Verification of resissare of unsubiding materials to normal heat		
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	10.12 Electromagnetic compatibility	
	10.13 Mechanical function	

Technical data ETIM 9.0

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

Electric engineering, automation, process control engineering / Low-voltage switc [AKF060018])	h technology / Off-I	load sw	ritch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03
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		63
Rated permanent current at AC-23, 400 V	А		63
Rated permanent current at AC-21, 400 V	A		63
Rated operation power at AC-3, 400 V	kW	V	30
Rated short-time withstand current Icw	kA	4	1.26
Rated operation power at AC-23, 400 V	kW	V	30
Switching power at 400 V	kW	V	30
Conditioned rated short-circuit current Iq	kA	۱	100
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			Built-in device fixed built-in technique
Suitable for floor mounting			No
Suitable for front mounting 4-hole			Yes
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
With pre-assembled cabling			No
Degree of protection (IP), front side			IP65
Degree of protection (NEMA)			1
Width	mn	m	90
Height	mn	m	102
Depth	mn	m	128
Width in number of modular spacings			