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

(Norway)

Product Tradename Product Sub Type Main switch Product Sub Type Product Tradename Product Tradename Product Sub Type Product Tradename Product Tradename Product Sub Type Prod	(Norway)	
Part no. EM 019991002891 Product height Product width Product		
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Product LengtyDegm Product LengtyDegm Product Neight Outs Weight Outs Weight Outs Weight Certifications Outs Weight Certifications Outs Weight Outs We		
Product neight Product width 90 millimetre Product voight 0.488 billogram UL Fan No. E83372 ECEPH 809/7 CUR CET VOID 0000 CSA File No. 12228 USA CSA CSZ No. 981 CSA CSZ No. 9		
Product width Product weight Outside weight Certifications ULF IN No. ESSE212 ECCH 69847 SA UL UL US FAIR No. ESSE212 ECCH 69847 SA UL US		
Product weight Certifications ULFian Not: SIRSUS EICPCR 800347 CSA File Not- 012528 UL 800347-41-14 CSA-CSC-272-70-81 CSA-CSC-272-70-81 CSA-CSC-272-70-81 CSA-CSC-272-70-81 CSA-CSC-272-70-81 EICPCR 800347-31 CSA-CSC-272-70-81 EICPCR 800347-31 U. Carepory Centrol Not: NLRV EICPCR 800347-31 U. Carepory Centrol Withstand Current, Howf for a time of 1 second Features Version as emergency stop installation Version as emine switch Ve	Product height	102 millimetre
Certifications Certifications Certi	Product width	90 millimetre
ECEN 10897 CSA	Product weight	0.496 kilogram
Product Type Product Sub Type Catalog Notes Rated Short-time Writhstand Current (Low) for a time of 1 second Rated Short-time Writhstand Current (Low) for a time of 1 second Version as margency stop installation Version as margency stop installation Version as marineance-Service switch Wersion as marineance-Service switch Fitted with: Red rotary handle and yellow locking ring Emergency switching off function Interlockable Locking facility Number of poles Cockable in the 0 (Off) position Number of poles Cockable in the 0 (Off) position NEMA 1 Degree of protection REMA 1 Degree of protection (front side) Protection (front	Certifications	IEC/EN 60947 CSA UL CE VDE 0660 CSA File No.: 012528 UL 60947-4-1 CSA-C22.2 No. 94 CSA-C22.2 No. 60947-4-1-14 CSA Class No.: 3211-05 IEC/EN 60204 UL Category Control No.: NLRV IEC/EN 60947-3
Product Sub Type Catalog Notes Rated Short-time Withstand Current (Icw) for a time of 1 second Rated Short-time Withstand Current (Icw) for a time of 1 second Version as main switch Version as main switch Version as main switch Version as main switch Version as maintenance-/service switch Red rotary handle and yellow locking ring Functions Red rotary handle and yellow locking ring Functions Locking facility Lockable in the 0 (Off) position Interlockable Lockable in the 0 (Off) position Accessories Acces	Product Tradename	P3
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Number of poles Accessories A	Functions	
Accessories Auxiliary contact fitted by user. Degree of protection Degree of protection (front side) Lifespan, mechanical Mounting method Mounting position Mounting position Operating frequency Operating frequency University of the service of th	Locking facility	Lockable in the 0 (Off) position
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Degree of protection Degree of protection (front side) Degree of protections Degree of protection (front side) Degree of protections		
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Lifespan, mechanical Mounting method Mounting position As required Operating frequency Overvoltage category Ill Pollution degree Rated impulse withstand voltage (Uimp) Safety parameter (EN ISO 13849-1) Shock resistance Suitable for In 100,000 Operations Flush mounting As required 1200 Operations/h 1200 Operations 1200 Operations	Degree of protection	NEMA 1
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Mounting position As required Operating frequency 1200 Operations/h Uvervoltage category III Pollution degree 3 Rated impulse withstand voltage (Uimp) 6000 V AC Safe isolation Safety parameter (EN ISO 13849-1) Shock resistance Suitable for Suitable for As required 1200 Operations/h III 8000 V AC 440 V AC, Between the contacts, According to EN 61140 810d values as per EN ISO 13849-1, table C.1 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)	Lifespan, mechanical	100,000 Operations
Operating frequency Operating frequency III Pollution degree 3 Rated impulse withstand voltage (Uimp) 6000 V AC Safe isolation Safety parameter (EN ISO 13849-1) Shock resistance Suitable for I200 Operations/h III 6000 V AC 440 V AC, Between the contacts, According to EN 61140 B10d values as per EN ISO 13849-1, table C.1 57 Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)	Mounting method	Flush mounting
Overvoltage category Dilution degree 3 Rated impulse withstand voltage (Uimp) Safe isolation Safety parameter (EN ISO 13849-1) Shock resistance Suitable for III 6000 V AC 6000 V AC 8100 V AC, Between the contacts, According to EN 61140 B100 values as per EN ISO 13849-1, table C.1 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)	Mounting position	As required
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 Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)	Operating frequency	1200 Operations/h
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 Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)	Overvoltage category	III
Rated impulse withstand voltage (Uimp) 6000 V AC Safe isolation 440 V AC, Between the contacts, According to EN 61140 B10d values as per EN ISO 13849-1, table C.1 Shock resistance 5000 V AC B10d values as per EN ISO 13849-1, table C.1 Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)	Pollution degree	3
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 Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)	Rated impulse withstand voltage (Uimp)	6000 V AC
Safety parameter (EN ISO 13849-1) Shock resistance 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)	Safe isolation	
Shock resistance 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Suitable for Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)		· ·
Suitable for Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)	Shock resistance	
	Suitable for	Front mounting 4-hole

mbient 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
Ferminal capacity	1 x (1.5 - 25) mm², flexible with ferrules to DIN 46228 2 x (2.5 - 10) mm², solid or stranded 14 - 2 AWG, solid or flexible with ferrule 2 x (1.5 - 6) mm², flexible with ferrules to DIN 46228 1 x (2.5 - 35) mm², solid or stranded
Screw size	M5, Terminal screw
Tightening torque	26.5 lb-in, Screw terminals 3 Nm, 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 - max	690 V
Rated uninterrupted current (Iu)	63 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
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	1.6 x l# (with intermittent operation class 12, 40 % duty factor) 1.3 x l# (with intermittent operation class 12, 60 % 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 leavalisty cantacts, general used Switching capacity soutilisty crantacts, pilot duty) A000 AUTUSA) Rated making capacity up to 869 V lose pits to ECIEN 80947-31 Woltage per contact pair in erries 0 V V Assigned motor power at 113/22 V, 89 Hz. 1-phase Assigned motor power at 2000/08 V, 80 Hz. 1-phase Assigned motor power at 2000/08 V, 80 Hz. 1-phase Assigned motor power at 2000/08 V, 80 Hz. 1-phase Assigned motor power at 2000/08 V, 80 Hz. 1-phase Assigned motor power at 2000/08 V, 80 Hz. 1-phase Assigned motor power at 2000/08 V, 80 Hz. 1-phase Assigned motor power at 2000/08 V, 80 Hz. 1-phase Assigned motor power at 2000/08 V, 80 Hz. 1-phase Assigned motor power at 2000/08 V, 80 Hz. 2-phase Assigned motor power at 2000/08 V,	acity (main contacts, general use)	60 A, Rated uninterrupted current max. (UL/CSA)
Sense (MUSSA) Pasted making capacity ye to 890 V (cos pin to IECER 18987-3) Rated making capacity ye to 890 V (cos pin to IECER 18987-3) Assigned mater power at 191120 V, 60 IV, 1-phase Assigned mater power at 191120 V, 60 IV, 1-phase Assigned mater power at 191120 V, 60 IV, 1-phase Assigned mater power at 191120 V, 60 IV, 1-phase Assigned motor power at 200228 V, 60 V, 1-phase V, 1-phase Assigned motor power at 200228 V, 1-phase V, 1-phase P, 1-phase V, 1-phase V, 1-phase P, 1-phase V, 1-phase P, 1-phase V, 1-phase	· · · · · · · · · · · · · · · · · · ·	
Rated making capacity up to 80 V (cas pile to IECEN 80947-3) Assigned motor power at 115/120 V, 80 Hz, 1-phase Assigned motor power at 2002009 V, 80 Hz, 1-phase Assigned motor power at 2002009 V, 80 Hz, 1-phase Assigned motor power at 2002009 V, 80 Hz, 1-phase Assigned motor power at 2002009 V, 80 Hz, 1-phase Assigned motor power at 2002000 V, 80 Hz, 1-phase Assigned motor power at 2002000 V, 80 Hz, 1-phase Assigned motor power at 2002000 V, 80 Hz, 1-phase Assigned motor power at 2002000 V, 80 Hz, 1-phase Assigned motor power at 200200 V, 80 Hz, 1-phase Assigned motor		A600 (UL/CSA)
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Assigned motor power at 220/240 V, 50 Hz, 3-phase Assigned motor power at 220/240 V, 50 Hz, 3-phase Assigned motor power at 420/420 V, 50 Hz, 3-phase Assigned motor power at 420/420 V, 50 Hz, 3-phase Control circuit reliability Control circuit reliabili	r power at 200/208 V, 60 Hz, 1-phase	7.5 HP
Assigned motor power at 200/240 V, 50 Hz, 3-phase Assigned motor power at 400/460 V, 50 Hz, 3-phase Assigned motor power at 450/460 V, 50 Hz, 3-phase Control circuit reliability Control circuit reliability Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) Numb	r power at 200/208 V, 60 Hz, 3-phase	15 HP
Assigned motor power at 450/480 V, 60 Hz, 3-phase Assigned motor power at 575/500 V, 60 Hz, 3-phase Sol HP Central circuit reliability Centra	r power at 230/240 V, 60 Hz, 1-phase	10 HP
Assigned motor power at 575/000 V, C0 Hz, 3-phase Control circuit reliability Control circuit reliability Control circuit reliability Control auxiliary contacts (change-over contacts) Control description of auxiliary contacts (change-over contacts) Control circuit reliability Control control circuit reliability Control control circuit circuits and control control circuits and control control circuit circuits and control control circuits and control circuits and control control circuits and control control circuits and control con	r power at 230/240 V, 60 Hz, 3-phase	15 HP
Control circuit reliability Control circuit reliability Number of auxiliary contacts (hange-over contacts) Number of auxiliary contacts (hormally closed contacts) Number of auxiliary contacts (hormally closed contacts) O Number of auxiliary contacts (hormally open contacts) Actuator color Actuator color Actuator color Actuator solor Actu	r power at 460/480 V, 60 Hz, 3-phase	40 HP
mA) Winnber of auxiliary contacts (charge-over contacts) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) Actuator color Actuator type Equipment heat dissipation, current-dependent Pvid Red Actuator type OW Heat dissipation capacity Pdiss Heat dissipation capacity Pdiss Heat dissipation capacity Pdiss Batic heat dissipation, nor-current-dependent Pvid As SW Rated operational current for specified heat dissipation (In) Sacial head dissipation, non-current-dependent Pvis 10.23 Leverification of thermal stability of enclosures 10.23.1 Verification of thermal stability of enclosures 10.23.2 Verification of resistance of insulating materials to normal heat 10.23.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects 10.24.4 Resistance to ultra-violet (IV) radiation 10.25 Lifting 10.26 Mechanical impact 10.3 Degree of protection of sesemblies 10.4 Clearances and creepage distances 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.8 Internal electrical circuits and connections 10.8 Connections for external conductors 10.8 Connections for external conductors 10.8 Connections for external conductors 10.8 Internal electrical circuits and connections 10.9 Event-frequency electric strength 10.9 Event-frequency	r power at 575/600 V, 60 Hz, 3-phase	50 HP
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Number of auxiliary contacts (normally open contacts) Actuator color Actuator cype Door coupling rotary drive Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss OW Rated operational current for specified heat dissipation (In) Static heat dissipation, one-current-dependent Pvid As W Rated operational current for specified heat dissipation (In) Static heat dissipation, one-current-dependent Pvis 10.2.2.1 Verification of thermal stability of enclosures 10.2.3.1 Verification of thermal stability of enclosures 10.2.3.1 Verification of resistance of insulating materials to normal heat 10.2.3.1 Verification of resistance of insulating materials to normal heat 10.2.3.3 Resist, of insul, mat to abnormal heat/fire by internal elect, effects 10.2.4.2 Resistance to ultra-violet (UV) radiation 10.2.5.1 Litting Does not apply, since the entire switchgear needs to be evaluated. 10.2.6.1 Meachanical impact 10.2.7.1 Inscriptions Meats the product standard's requirements. 10.3.1 Reprice product standard's requirements. 10.3.1 Reprice product of assemblies Does not apply, since the entire switchgear needs to be evaluated. 10.2.7.1 Inscriptions Meats the product standard's requirements. 10.3.1 Reprice product standard's requirements. 10.3.1 Reprice the entire switchgear needs to be evaluated. 10.4.1 Clearances and creepage distances Meats the product standard's requirements. 10.3.1 Reprice the entire switchgear needs to be evaluated. 10.4.1 Clearances and creepage distances Meats the product standard's requirements. 10.5.2 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated. 10.6.1 Reprice product standard's requirements. 10.7.1 Internal electrical circuits and connections 10.8.2 Prower-frequency electric strong the entire switchgear needs to be evaluated. 10.7.1 Internal electrical circuits and connections 10.8.3 Impulse withistand voltage 10.9.4 Testing of enclosures made of insulating material 10.9.1 Temper	iliary contacts (change-over contacts)	0
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10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgrobserved.	agnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear mus
	cal function	The device meets the requirements, provided the information in the instruction

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 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 ٧ 690 Rated operating voltage 690 - 690 Rated permanent current lu Α 63 Rated permanent current at AC-23, 400 V Α 63 Rated permanent current at AC-21, 400 V 63 Α kW Rated operation power at AC-3, 400 V 30 Rated short-time withstand current lcw kΑ 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 kΑ 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

Yes

No

No

No

Red

IP65

Door coupling rotary drive

Screw connection

Suitable for front mounting 4-hole

Suitable for front mounting centre

Suitable for intermediate mounting

Degree of protection (IP), front side

Degree of protection (NEMA)

Colour control element

Type of control element

Interlockable

Suitable for distribution board installation

Type of electrical connection of main circuit