Switch-disconnector, DMV, 250 A, 3 pole, Stop Function optional, Without rotary handle and drive shaft



Part no. DMV-250N/3 1814408

atton DMV Switch-disconnector MV-250N/3 11426853812 6 millimetre 5 millimetre 5 millimetre 62 kilogram C/EN 60204 HS AC C/EN 60947 C/EN 60947-3 DE 0660 EMA E Dyds MV witch-disconnector one urrent for a time of 0.3 seconds sible contacts ithout rotary handle and drive shaft ersion as emergency stop installation optional Stop Function aree-pole
11426853812 6 millimetre . millimetre 5 millimetre 62 kilogram C/EN 60204 HS AC C/EN 60947 C/EN 60947-3 DE 0660 EMA E Dayds MV witch-disconnector one urrent for a time of 0.3 seconds sible contacts ithout rotary handle and drive shaft ersion as emergency stop installation optional Stop Function
6 millimetre millimetre 5 millimetre 52 kilogram C/EN 60204 OHS ACC C/EN 60947 C/EN 60947-3 DE 6660 MA E Dayds MV witch-disconnector one urrent for a time of 0.3 seconds sible contacts ithout rotary handle and drive shaft ersion as emergency stop installation optional Stop Function
in millimetre 5 millimetre 62 kilogram C/EN 60204 HS AC C/EN 60947 C/EN 60947-3 DE 0660 EMA E Dryds MV witch-disconnector one urrent for a time of 0.3 seconds sible contacts ithout rotary handle and drive shaft ersion as emergency stop installation optional Stop Function
5 millimetre 62 kilogram C/EN 60204 HS AC C/EN 60947 C/EN 60947-3 DE 0660 EMA E Dyds MV witch-disconnector one urrent for a time of 0.3 seconds sible contacts ithout rotary handle and drive shaft ersion as emergency stop installation optional Stop Function
C/EN 60204 OHS AC C/EN 60947 C/EN 60947-3 DE 0660 EMA E Doyds MV witch-disconnector one urrent for a time of 0.3 seconds sible contacts ithout rotary handle and drive shaft ersion as emergency stop installation optional Stop Function
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uxiliary contact fitted by user. onnection materials included with supplied equipment.
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EMA Other
20
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ırface mounting
s required
ain switch vitch-disconnector
00 V
10d values as per EN ISO 13849-1, table C.1
round mounting
5°C
°C
0°C
°C
0 mm², Flat conductor connection with busbars
S (C)

Tightening torque	14 Nm, Screw terminals
Electrical rating	
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	2000 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	1760 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	1120 A
Rated insulation voltage (Ui)	1000 V
Rated operational current (Ie) at AC-21, 400 V, 415 V	250 A
Rated operational current (Ie) at AC-21, 500 V	250 A
Rated operational current (le) at AC-21, 690 V	250 A
Rated operational current (Ie) at AC-22, 380 V, 400 V, 415 V	250 A
Rated operational current (Ie) at AC-22, 500 V	250 A
Rated operational current (Ie) at AC-22, 690 V	250 A
Rated operational current (Ie) at AC-23A, 400 V, 415 V	250 A
Rated operational current (Ie) at AC-23A, 500 V	220 A
Rated operational current (Ie) at AC-23A, 690 V	140 A
Rated operational power at AC-23A, 400 V, 50 Hz	140 kW
Rated operational power at AC-23A, 500 V, 50 Hz	160 kW
Rated operational power at AC-23A, 690 V, 50 Hz	132 kW
Rated operational power at AC-3, 380/400 V, 50 Hz	0 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	250 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Breaking current	40 kA (at In = 500)
	33 kA (at In = 250)
Let-through energy	Max. 1700 kA ² s (at $ln = 500$) Max. 380 kA ² s (at $ln = 250$)
Rated conditional short-circuit current (Iq)	50 kA at In = 500 100 kA
Rated short-time withstand current (Icw)	12 kA, Contacts, 1 second
	12 kA
Short-circuit protection rating	500/250, Fuse, Contacts
Contacts	
Number of auxiliary contacts (change-over contacts)	0
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	0
Design verification	
Equipment heat dissipation, current-dependent Pvid	4.5 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	3.75 W
Rated operational current for specified heat dissipation (In)	1000 A
Static heat dissipation, non-current-dependent Pvs	0 W
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
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.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
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 9.0

Low-voltage industrial comp	ponents (EG000017	١.	/ Switch disconnector (low voltage)	(EC000216)	

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03

Version as main novible Image: 100 months of the control	[AKF060018])	y / UII-I0au s	switch, circuit breaker, control switch/ Switch disconnector (et:@ss13-2/-3/-14-03
Version as aniergy step installation Image: 10 cm aniergy step installation Image: 10 cm aniergy step installation Version as one engency step installation Image: 10 cm aniergy step installation Image: 10 cm aniergy step installation Number of switches Image: 10 cm aniergy step installation Image: 10 cm aniergy step installation Number of switches aniergy switching working or step in step in switching working or step in switching aniergy switching power at AC-3,400 V A 20 cm aniergy switching aniergy step in switching aniergy and AC-3,400 V Image: 20 cm aniergy switching aniergy aniergy aniergy switching aniergy	Version as main switch		No
Version as emergency stop installation Feb. No. No. <td>Version as maintenance-/service switch</td> <td></td> <td>No</td>	Version as maintenance-/service switch		No
Verlain as reversing witch 1	Version as safety switch		No
Number of switches Image: Control of the switches Image: Control of t	Version as emergency stop installation		Yes
Max. rated aperation voltage Us AC V 80-809 Rated permanent current u A 30-809 Rated permanent current at AC-24,400 V A 50-80 Rated permanent current at AC-21,400 V A 50-80 Rated operation power at AC-3,400 V B 70-80 Rated solution time withstand power at AC-3,400 V K 40-80 Switching power at 400 V K 40-80 Conditional rated short-circuit current lq K 40-80 Number of poles K 40-80 Number of auxiliary contacts as normally closed contact 50-80 40-80 Number of auxiliary contacts as normally closed contact 60-80 40-80 Number of auxiliary contacts as change over contact 60-80 40-80 Number of auxiliary contacts as change over contact 60-80 40-80 Notor drive optional 60-80 60-80 Notice of forting petition 60-80 60-80 Suitable for from mounting a full 60-80 60-80 Suitable for from mounting a full 60-80 60-80 Suitable for from moun	Version as reversing switch		No
Rated operating voltage V 80-80-80 Rated permanent current ut AC-22,400 V A 20-6 Rated operation power at AC-23,400 V W 20-1 Rated operation power at AC-23,400 V W 10-2 Rated operation power at AC-23,400 V W 10-2 Rated operation power at AC-23,400 V W 10-2 Conditioned rated short-time withstand current lq W 10-2 Conditioned rated short-circuit current lq W 10-2 Conditioned rated short-circuit current lq K 10-2 Number of obusine ground states as nomally closed contect K 10-2 Number of auxilary contacts as change-over contact K 10-2 10-2 Motor drive optional K 10-2 10-2 10-2 Motor drive optional K 10-2	Number of switches		1
Rated permanent current at AC-23, 400 V A 290 Rated permanent current at AC-21, 400 V A 290 Rated operation power at AC-300 V MW 100 Rated operation power at AC-3, 400 V MW 120 Rated operation power at AC-23, 400 V MW 140 Switching power at 400 V MW 140 Conditioned rated short-circuit current lq MW 140 Number of puxiliary contacts as normally closed contact MW 140 Number of auxiliary contacts as normally pear contact MW 140 Number of auxiliary contacts as normally pear contact MW 140 Number of auxiliary contacts as change-over contact MW 140 Number of auxiliary contacts as change-over contact MW 140 Voltage release optional MW 140 Number of auxiliary contacts as change-over contact MW 140 Voltage release optional MW 140 Suitable for fort mounting MW 140 Suitable for fort mounting 4-hole MW 140 Suitable for fort mounting c	Max. rated operation voltage Ue AC	V	690
Rated permanent current at AC-23,400 V A 290 Rated permanent current at AC-21,400 V 4 A 290 Rated operation power at AC-23,400 V 4 AW 0 Rated operation power at AC-23,400 V 4 AW 140 Switching power at 400 V 6 AW 140 Conditioned rated short-circuit current lq 6 AW 100 Number of poles 6 AW 100 Number of auxiliary contacts as normally glosed contact 6 A 100 Number of auxiliary contacts as normally gene contact 6 A 100 Motor drive eptional 6 A 100 Motor drive eptional 6 A 100 Motor drive eptional 6 A 100 Valuage release optional 6 A 100 Suitable for floor mounting 6 A 100 Suitable for floor mounting - chole 6 A 100 Suitable for intermediate mounting 6 A 100 <tr< td=""><td>Rated operating voltage</td><td>V</td><td>690 - 690</td></tr<>	Rated operating voltage	V	690 - 690
Rated permanent current at AC-21, 400 V 4 29 Rated operation power at AC-3, 400 V 6 4 1 Rated operation power at AC-3, 400 V 6 4 1 Switching power at AC-23, 400 V 6 14 1 Switching power at AC-23, 400 V 6 14 1 Switching power at AC-30, 400 V 6 14 1 Childring of rated short-circuit current Iq 6 14 1 Number of poles 6 3 3 3 Number of auxiliary contacts as normally cloed contact 6 6 9 9 9 Number of auxiliary contacts as change-over contact 6 7 9 9 9 Motor drive entegrated 6 7 9	Rated permanent current lu	Α	250
Rated operation power at AC-3,400 V Rated short-time withstand current low Rated operation power at AC-23,400 V Switching power at 400 V Roundisoned rated short-circuit current q Roundisoned rated short-circuit current q Rounder of poles Rumber of pulse Rumber of auxiliary contacts as normally open contact Rumber of auxiliary contacts as change-over contact Rumber of auxiliary contacts as change-	Rated permanent current at AC-23, 400 V	Α	250
Rated short-time withstand current lew KA 12 Rated operation power at AC-23, 400 V WW 140 Switching power at 400 V WM 140 Conditioned rated short-circuit current Iq WM 100 Number of poles G 0 Number of auxiliary contacts as normally closed contact G 0 Number of auxiliary contacts as change-over contact WM No Motor drive optional MO No Motor drive integrated MO No Voltage release optional No No Suitable for floor mounting MO No Suitable for floor mounting 4-hole MO No Suitable for floor mounting centre	Rated permanent current at AC-21, 400 V	Α	250
Rated operation power at AC-23, 400 V AW 140 Switching power at 400 V WM 140 Conditioned rated short-circuit current Iq AW 100 Number of poles BW 3 Number of auxiliary contacts as normally closed contact BW 0 Number of auxiliary contacts as normally open contact BW 0 Number of auxiliary contacts as change-over contact BW No Motor drive integrated BW No Voltage release optional BW No Device construction BW Yes Suitable for from mounting BW No Suitable for from mounting entre BW No Suitable for from thounting centre BW No Suitable for from thounting centre BW No Suitable for intermediate mounting BW No Suitable for intermediate mounting BW No Suitable for intermediate mounting BW No Type of cleatrical someotion of main circuit BW No With pre-assembled cab	Rated operation power at AC-3, 400 V	kW	0
Switching power at 400 V kW 140 Conditioned rated short-circuit current Iq kA 100 Number of poles 3 3 Number of auxiliary contacts as normally closed contact C 0 Number of auxiliary contacts as normally open contact C 0 Number of auxiliary contacts as change-over contact No 0 Motor drive optional No No Motor drive integrated No No Voltage release optional No No Device construction Complete device in housing Suitable for from mounting 4-hole No No Suitable for front mounting 4-hole No No Suitable for front mounting entire No No Suitable for front mounting entire No No Suitable for intermediate mounting No No Suitable for intermediate mounting No No Colour control element No No Type of control element No No Interfockable No No </td <td>Rated short-time withstand current lcw</td> <td>kA</td> <td>12</td>	Rated short-time withstand current lcw	kA	12
Conditioned rated short-circuit current Iq KA 100 Number of poles 4 3 Number of auxiliary contacts as normally closed contact 6 0 Number of auxiliary contacts as normally open contact 6 0 Number of auxiliary contacts as change-over contact 6 0 Motor drive optional 6 0 0 Motor drive integrated 6 No 0 Voltage release optional 6 No 0 Device construction 6 7 0 Suitable for floor mounting 6 7 0 Suitable for front mounting 4-hole 6 7 0 Suitable for front mounting centre 6 7 No Suitable for front mounting 6 No No Suitable for intermediate mounting 6 No No Suitable for intermediate mounting 6 No No Colour control element 6 No No Type of control element 6 No No	Rated operation power at AC-23, 400 V	kW	140
Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact as normally open contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as normally open contacts Number of auxiliary contacts as normally open contacts Number of auxiliary contacts as normally open contacts as normally open contacts as normally open contacts as normally ope	Switching power at 400 V	kW	140
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Number of auxiliary contacts as normally open contact 6 Number of auxiliary contacts as change-over contact 6 Motor drive optional No Motor drive integrated No Voltage release optional Complete device in housing Device construction So Suitable for floor mounting Yes Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting No Colour control element Other Type of control element Other Interlockable Other Type of electrical connection of main circuit No With pre-assembled cabling No Degree of protection (IP), front side No Degree of protection (NEMA) With With No Serve connection No Degree of protection (NEMA) No With No Serve connection No No No Degree of protection (NEMA) No With	Number of poles		3
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 distribution board installation No Suitable for intermediate mounting No Colour control element No Type of control element Other Interlockable No Type of electrical connection of main circuit Serew connection With pre-assembled cabling No Degree of protection (IP), front side P20 Degree of protection (NEMA) Wither Width mm 85 Height mm 75 Begin for the control (NEMA) mm 75	Number of auxiliary contacts as normally closed contact		0
Motor drive optional Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for floor mounting 4-hole Suitable for front mounting 4-hole Suitable for front mounting entre Suitable for firent mediate mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Type of centrol element Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (IP), front side Degree of protection (NEMA) Width Height Degth One	Number of auxiliary contacts as normally open contact		0
Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for floor mounting 4-hole Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IPI, front side Degree of protection (IPI, front side Norther Width Height Height Degth Height Height Degree of lenter Suitable for file member Suitable for distribution board installation Height	Number of auxiliary contacts as change-over contact		0
Voltage release optionalNoDevice constructionComplete device in housingSuitable for floor mountingYesSuitable for front mounting 4-holeNoSuitable for front mounting centreNoSuitable for distribution board installationNoSuitable for intermediate mountingNoColour control elementNoType of control elementOtherInterlockableNoType of electrical connection of main circuitSerew connectionWith pre-assembled cablingNoDegree of protection (IP), front sideP20Degree of protection (IPMA)ImmWidthImmWidthImmHeightImmDegthI	Motor drive optional		No
Device construction Suitable for floor mounting Suitable for floor mounting 4-hole Suitable for front mounting centre Suitable for front mounting centre Suitable for floor mounting centre Suitable for firont mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Midth	Motor drive integrated		No
Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Interlockable No Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (IP), front side Midth	Voltage release optional		No
Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for distribution board installation Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Type of control element Interlockable Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Height Degth Mo No No Roe No Ho Ho Ho Ho Ho Ho Ho Ho Ho	Device construction		Complete device in housing
Suitable for front mounting centre Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Midth	Suitable for floor mounting		Yes
Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Height Depth No No No No Screw connection No Other IP20 Other Degree of protection (NEMA) Mmm Type of electrical connection of main circuit Miss mmm 75 Depth	Suitable for front mounting 4-hole		No
Suitable for intermediate mounting Colour control element Type of control element Interlockable Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Height Depth No No No Screw connection No IP20 Other No Other No Other No IP20 Other	Suitable for front mounting centre		No
Colour control element Type of control element Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Height Depth Other Other Other No Other No Other No Other Degree of protection (NEMA) Other Type of electrical connection of main circuit No Other Other Type of electrical connection of main circuit No Other Other Type of electrical connection of main circuit No Other Other Type of electrical connection of main circuit No Other Other Other Other Other	Suitable for distribution board installation		No
Type of control element Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Height Depth Other Other Other Degree of protection (NEMA) Degree of pr	Suitable for intermediate mounting		No
Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Midth Mid	Colour control element		Other
Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Mm 185 Height Depth Mm 206	Type of control element		Other
With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width IP20 Other Width IMM IMM IMM IMM IMM IMM IMM I	Interlockable		No
Degree of protection (IP), front side Degree of protection (NEMA) Width In mm Page of protection (NEMA) It is is is in the protection (NEMA) It is in th	Type of electrical connection of main circuit		Screw connection
Degree of protection (NEMA) Width Height Depth Other Other Other Other Dother 185 Mm 75 Mm 206	With pre-assembled cabling		No
Width mm 185 Height mm 75 Depth mm 206	Degree of protection (IP), front side		IP20
Height mm 75 Depth mm 206	Degree of protection (NEMA)		Other
Depth mm 206	Width	mm	185
	Height	mm	75
Width in number of modular spacings		mm	206
	Width in number of modular spacings		