Switch-disconnector, DMM, 125 A, 3P + N (solid), Stop Function optional, Without rotary handle and drive shaft, Vertical connection



Part no. DMM-125/1-SK

1314203

EL Number

4309065

(Norway)

(NOIWay)	
General specifications	
Product name	Eaton DMM Switch-disconnector
Part no.	DMM-125/1-SK
EAN	8711426691346
Product Length/Depth	152 millimetre
Product height	108 millimetre
Product width	132 millimetre
Product weight	0.9 kilogram
Certifications	EAC KEMA IEC/EN 60204 VDE 0660 CE R0HS Lloyds IEC/EN 60947 IEC/EN 60947-3
Product Tradename	DMM
Product Type	Switch-disconnector
Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second Without rotary handle and drive shaft
Features & Functions	
Features	Version as maintenance-/service switch
Functions	Optional Stop Function
Number of poles	Three-pole + N
General information	
Accessories	Auxiliary contact fitted by user.
Actuator color	Other
Actuator type	Other
Connection type	Vertical
Degree of protection	NEMA Other
Degree of protection (front side)	IP20
Lifespan, mechanical	10,000 Operations
Mounting method	Surface mounting
Mounting position	As required
Overvoltage category	III
Pollution degree	3
Product Category	Main switch Switch-disconnector
Rated impulse withstand voltage (Uimp)	6000 V
Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Suitable for	Distribution board installation Ground mounting
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	55 °C
Ambient storage temperature - min	-30 °C
Ambient storage temperature - max	80 °C
Terminal capacities	

Terminal capacity	6 - 70 mm², flexible with ferrules to DIN 46228
Stripping length (main cable)	21 mm
Tightening torque	7 Nm, Screw terminals
Electrical rating	
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	480 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	520 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	352 A
Rated insulation voltage (Ui)	1000 V
Rated operational current (Ie) at AC-21, 400 V, 415 V	125 A
Rated operational current (Ie) at AC-21, 500 V	125 A
Rated operational current (Ie) at AC-21, 690 V	125 A
Rated operational current (Ie) at AC-22, 380 V, 400 V, 415 V	125 A
Rated operational current (Ie) at AC-22, 500 V	125 A
Rated operational current (Ie) at AC-22, 690 V	125 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	45 A
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	40 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)	125 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Breaking current	14.5 kA
Let-through energy	Max. 140 kA ² s
Rated conditional short-circuit current (Iq)	50 kA
Rated short-time withstand current (Icw)	2,5 kA, Contacts, 1 second 2.5 kA
Short-circuit protection rating	125, 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	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	4.5 W
Rated operational current for specified heat dissipation (In)	125 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 (II) is observed

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / 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 [AKF060018])

Version as autinosatic-feviveice area for version as autinosatic feviveice area for version as autinosatic fevirone for version as autinosatic fevirone for version as autinosatic fevirone for version and fevirone for version and fevirone fevirone for version and fevirone fevirone for version and fevirone	[AKF060018])			
Version as safety switch	Version as main switch			Yes
Version a emergency stop installation No Version as enversing switch No Max. rated operation voltage Ue AC V 60 Rated operating voltage V 60 Rated operating voltage V 60 Rated operating voltage A 12 Rated operating voltage A 6 Rated operation current at AC-22, 400 V A 6 Rated parmanent current at AC-23, 400 V (A) 25 Rated abart-sine withstand current tow (A) 3 Rated abart-sine withstand current tow (A) 3 Switching power at AC-23, 400 V (A) 3 Switching power at AC-24, 400 V (A) 3 Switching power at AC-24, 400 V (A) 3 Switching power at AC-23, 400 V (A) 3 Switching power at AC-24, 400 V (A) 3 Switching power at AC-23, 400 V (A) 3 Switching power at AC-23, 400 V (A) 3 Switching power at AC-24, 400 V (A) 3 Switching p	Version as maintenance-/service switch			Yes
Variation as rowaring switch Inches of a witchies In It is a provision of a provision of a witchies o	Version as safety switch			No
Number of switches 1 1 Max. rated operation voltage Ue AC V 690-890 Rated operation voltage Nation A 125 Rated operation voltage Ue AC A 125 Rated operation voltage Uarden (current tal AC-22, 400 V A 4 62 Rated operation power at AC-2, 400 V B A 125 Rated short-time whistand current (rec B A 2 Rated speration power at AC-2, 400 V B B 3 Rated speration power at AC-2, 400 V B B 3 Switching power at 400 V B B 3 4 Conditioned rated short-incuit current (q B B 4 4 Number of auxiliary contacts as normally losed contact B B 6 4 Number of auxiliary contacts as normally open contact B B 6 8 Motor drive approach B B B 9 9 Value construction B B 9 9 9 S	Version as emergency stop installation			No
Assect rated operation voltage V 60	Version as reversing switch			No
Rated operating voltage V 80-0990 Rated operating voltage A 125 Rated permanent current at AC-24,400 V A 66 Rated operation power at AC-3,400 V A 125 Rated operation power at AC-3,400 V A 25 Rated operation power at AC-23,400 V A 30 Switching power at AC-23,400 V A 40 Switching power at AC-23,400 V A 60 Switching power at AC-23,400 V A 60	Number of switches			1
Rated permanent current at AC23, 400 V A 36 Rated permanent current at AC23, 400 V C A 125 Rated permanent current at AC23, 400 V C A 25 Rated operation power at AC-3, 400 V C A 25 Rated operation power at AC-3, 400 V C A 20 Switching power at 400 V C AW 20 Conditioned rated short-circuit current lq C A 4 Number of auxiliary contacts as normally closed contact C 4 4 Number of auxiliary contacts as normally open contact C 4 4 Number of auxiliary contacts as change-over contact C 4 A Number of auxiliary contacts as change-over contact C 4 A Motor drive integrated C 4 A Motor drive integrated C 4 A Suitable for form mounting 4-hole C 4 A Suitable for form mounting 4-hole C 4 A Suitable for finite mounting earther internalite mou	Max. rated operation voltage Ue AC	,	V	690
Rated permanent current at AC-23, 400 V A 68 Rated permanent current at AC-21, 400 V A 125 Rated permanent current at AC-23, 400 V A 0 Rated permanent current at AC-23, 400 V A 25 Rated operation power at AC-23, 400 V A W Switching power at 400 V B W 0 Conditioned rated short-circuit current q B 4 0 Number of poles B 4 4 0 Number of auxiliary contacts as normally open contact B 0	Rated operating voltage	,	V	690 - 690
Rated permanent current at AC-21, 400 V A 125 Rated operation power at AC-3, 400 V KA 2.5 Rated operation power at AC-3, 400 V KA 2.5 Switching power at 400 V KW 0 Conditioned rated short-circuit current lq KW 5.0 Number of poles 4 4 Number of poles 6 1 Number of auxiliary contacts as normally closed contact 9 0 Number of auxiliary contacts as normally open contact 9 0 Motor drive optional 9 No Motor drive optional 9 No Motor drive integrated 9 No Victage release optional 9 No Device construction 9 No Suitable for front mounting 4-hole 9 No Suitable for front mounting 4-hole 9 No Suitable for intermediate mounting 9 No Suitable for intermediate mounting 9 No Foliate intermediate mounting 9 No	Rated permanent current lu	,	A	125
Rated operation power at AC-3, 400 V IAM 2.5 Rated short-time withstand current low IAM 2.5 Rated operation power at AC-23, 400 V IAM 3.0 Switching power at 400 V IAM 9.0 Conditioned rated short-circuit current Iq IAM 9.0 Number of poles IAM 4.0 Number of auxiliary contacts as normally closed contact IAM 0.0 Number of auxiliary contacts as normally open contact IAM 0.0 Number of auxiliary contacts as normally open contact IAM 0.0 Number of auxiliary contacts as normally open contact IAM 0.0 Number of auxiliary contacts as normally open contact IAM 0.0 Number of auxiliary contacts as change-over contact IAM 0.0 Number of auxiliary contacts as normally open contact IAM 0.0 Mutter of we integrated IAM 0.0 Number of number of auxiliary contacts as normally open contact IAM 0.0 Suitable for fort mounting IAM 0.0 Suitable for fort numuring active IAM 0.0	Rated permanent current at AC-23, 400 V		Α	66
Rated short-time withstand current Icw IA 2.5 Rated operation power at AC-23, 400 V WW 30 Switching power at 400 V WW 0 Conditioned rated short-circuit current Iq WB 50 Number of poles 4 4 Number of poles in whilling contacts as normally closed contact 0 0 Number of awilliary contacts as normally open contact 0 0 Motor drive optional No 0 Motor drive optional No No Motor drive integrated No No Voltage release optional No No Switzable for from mounting No No Switzable for from mounting entre No No Switzable for from thounting entre No No Switzable for intermediate mounting No No Switzable for intermediate mounting No No Switzable for intermediate mounting No No Suitable for intermediate mounting No No Switzable for intermediate mounting	Rated permanent current at AC-21, 400 V	,	A	125
Rated operation power at AC-23, 400 V KW 30 Switching power at 400 V WW 0 Conditioned rated short-circuit current Iq AB 50 Number of poles AB 4 Number of poles and suiliary contacts as normally closed contact Descriptions of auxiliary contacts as normally open contact Descriptions of auxiliary contacts as change-over contact Descriptions of auxiliary contacts as change-over contact Descriptions of AB No Motor drive optional AB No No Motor drive integrated Box No No Voltage release optional Built in device fixed built-in technique Suitable for from mounting Built in device fixed built-in technique Suitable for from mounting 4-hole Built in device fixed built-in technique Suitable for from mounting centre Po No Suitable for intermediate mounting Po No Suitable for intermediate mounting Po No Suitable for intermediate mounting Other Other Type of control element Other No Interfockable Po No <t< td=""><td>Rated operation power at AC-3, 400 V</td><td>I</td><td>kW</td><td>0</td></t<>	Rated operation power at AC-3, 400 V	I	kW	0
Switching power at 400 V kW 0 Conditioned rated short-circuit current Iq kA 50 Number of poles 4 4 Number of auxiliary contacts as normally closed contact 0 0 Number of auxiliary contacts as normally open contact 0 0 Number of auxiliary contacts as change-over contact 0 0 Motor drive optional No No Motor drive optional No No Motor drive optional No No Voltage release optional No No Device construction No No Suitable for front mounting No No Suitable for front mounting 4-hole No No Suitable for front mounting 4-hole No No Suitable for front mounting 4-hole Yes No Suitable for front mounting 4-hole Yes No Suitable for intermediate mounting Yes No Colour control element Yes Other Type of control element Yes No <td>Rated short-time withstand current lcw</td> <td></td> <td>kA</td> <td>2.5</td>	Rated short-time withstand current lcw		kA	2.5
Conditioned rated short-circuit current Iq KA 50 Number of poles 4 4 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 No 0 Motor drive optional No 0 Motor drive optional No 0 Votage release optional No 0 Votage release optional 9 Built-in device fixed built-in technique Suitable for front mounting 9 No Suitable for front mounting 4-hole 9 No Suitable for front mounting entire No No Suitable for intermediate mounting 9 No Colour control element 9 No Type of control element 9 Other Interlockable 9 No Type of electrical connection of main circuit 9 No With pre-assembled cabling No <t< td=""><td>Rated operation power at AC-23, 400 V</td><td></td><td>kW</td><td>30</td></t<>	Rated operation power at AC-23, 400 V		kW	30
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 change-over contact Number of auxiliary contacts as change-over contact Notor drive optional Motor drive integrated Noto No Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for intermediate mounting Colour control element Type of control element Interlockable Type of control element Type of protection (IP), front side Degree of protection (IP, front side Degr	Switching power at 400 V	I	kW	0
Number of auxiliary contacts as normally closed contact 0 Number of auxiliary contacts as normally open 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 Yes Suitable for front mounting 4-hole No Suitable for intermediate mounting No Suitable for intermediate mounting Yes Suitable for intermediate mounting No Colour control element Other Type of control element Other Interlockable No Type of electrical connection of main circuit No With pre-assembled cabling No Degree of protection (IP), front side IP20 Degree of protection (NEMA) Mm 132 Width mm 108 Height mm 108	Conditioned rated short-circuit current Iq	I	kA	50
Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Motor drive optional Motor drive integrated No Votage release optional Device construction Suitable for floor mounting 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 electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA)	Number of poles			4
Number of auxiliary contacts as change-over contact 6 6 0 Motor drive optional No No Motor drive integrated No No Voltage release optional No Built-in device fixed built-in technique Suitable for floor mounting Yes Suitable for front mounting 4-hole No Suitable for front mounting centre No Yes Suitable for distribution board installation Yes No Suitable for intermediate mounting Yes No Colour control element Other Other Type of control element Other Other Interlockable No Screw connection Type of electrical connection of main circuit Screw connection No With pre-assembled cabling No Screw connection Degree of protection (IP), front side IP20 Other Degree of protection (NEMA) Wither Other With Mm 132 Height mm 108 Built in device fixed built-in technique No	Number of auxiliary contacts as normally closed 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 Yes Suitable for front mounting 4-hole No Suitable for firent mounting centre No Suitable for distribution board installation Yes Suitable for intermediate mounting No Colour control element Other Type of control element Other Interlockable No Type of electrical connection of main circuit Screw connection With pre-assembled cabling No Degree of protection (IP), front side IP20 Degree of protection (NEMA) Other Writh Imm 132 Height mm 108 Depth mm 152	Number of auxiliary contacts as normally open contact			0
Motor drive integrated Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole 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 (IP), front side Degree of protection (IP), front side Degree of protection (NEMA) Width Height Height Degree of money Mind pre-main force of the mounting Mind pre-main force of the money Mind pre-main	Number of auxiliary contacts as change-over contact			0
Voltage release optional No Device construction Built-in device fixed built-in technique Suitable for floor mounting Yes Suitable for front mounting 4-hole No Suitable for front mounting centre No Suitable for distribution board installation Yes Suitable for intermediate mounting No Colour control element Other Type of control element Other Interlockable No Type of electrical connection of main circuit Screw connection With pre-assembled cabling No Degree of protection (IPI), front side IP20 Degree of protection (NEMA) Other Width mm 132 Height mm 108 Depth mm 108	Motor drive optional			No
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 Interlockable Type of electrical connection of main circuit With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Midth Midth Midth Degth Midth Midth Midth Midth Degth Midth Mi	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 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 (IP), front side Degree of protection (NEMA) Width Midth	Voltage release optional			No
Suitable for front mounting 4-hole 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 Midth Midth Midth Degth Mo Degth Mo Degree of protection Mo Degree of protection (NEMA) Mo Degth Midth Mid	Device construction			Built-in device fixed built-in technique
Suitable for front mounting centreNoSuitable for distribution board installationYesSuitable for intermediate mountingNoColour control elementOtherType of control elementOtherInterlockableNoType of electrical connection of main circuitScrew connectionWith pre-assembled cablingNoDegree of protection (IP), front sideIP20Degree of protection (NEMA)OtherWidthmm132Heightmm108Depthmm152	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 Width Mo Degree of protection (NEMA) Width Mm 132 Height Depth Mo Degree of mm 152	Suitable for front mounting 4-hole			No
Suitable for intermediate mounting Colour control element Type of control element Other Interlockable 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	Suitable for front mounting centre			No
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 (NEMA) Width Midth M	Suitable for distribution board installation			Yes
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 No Other No Other No Degree of protection (NEMA) Degree of protection (NEMA) mm 132 Mm 108 mm 152	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 Midth	Type of control element			Other
With pre-assembled cabling Degree of protection (IP), front side Degree of protection (NEMA) Width Height Depth No IP20 Other Mm 132 Height mm 108 Depth	Interlockable			No
Degree of protection (IP), front side Degree of protection (NEMA) Width In mm In 108 Depth Depth Degree of protection (IP), front side IP20 Other IR20 Other IR20 Other IR20 Other IR20 IR20 Other IR20 IR				Screw connection
Degree of protection (NEMA) Width Height Depth Other 132 Height mm 108 Depth 152	With pre-assembled cabling			No
Width mm 132 Height mm 108 Depth mm 152	Degree of protection (IP), front side			IP20
Height mm 108 Depth mm 152	Degree of protection (NEMA)			Other
Depth mm 152	Width		mm	132
	Height		mm	108
Width in number of modular spacings 6	Depth		mm	152
	Width in number of modular spacings			6