

Part no.

Article no.

Switch-disconnector, 3 pole + N, 63 A, Without rotary handle and drive shaft, surface mounting, Vertical connection

DMM-63/1-SK

1314157



Delivery program

Delivery program			
Product range			Switch-disconnector Main switch maintenance switch
Part group reference			DMM
Stop Function			optional
			Without rotary handle and drive shaft
Information about equipment supplied			auxiliary contact fitted by user.
Number of poles			3 pole + N (direct)
Auxiliary contacts			
Ϋ́		N/0	0
7		N/C	0
Degree of Protection			IP20
Design			surface mounting
Contact sequence			$ \begin{array}{c c} L1 & L2 & L3 \\ \hline 1 & 1 & 1 \\ 2 & 4 & 6 \\ \hline 1 & 1 & 7 \\ 2 & 4 & 6 \\ \hline 1 & 1 & 7 \\ 0 & \hline \end{array} $
Motor rating AC-23A, 50 - 60 Hz			
400 V	Р	kW	30
	P Iu	kW A	30 63

Technical data

General			
Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, Switch-disconnector according to IEC/EN 60947-3
Certifications			CE, RoHs, KEMA, GOST-R, Lloyds
Ambient temperature			
Operation	θ	°C	-25 - +55
Storage	9	°C	-30 - +80
Overvoltage category/pollution degree			111/3
Rated impulse withstand voltage	U _{imp}	kV	6
Rated insulation voltage	Ui	V	1000
Mounting position			As required
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof

Contacts

Contacts			
Mechanical variables			
Number of poles			3 pole + N (direct)
Auxiliary contacts			
		N/0	0
		N/C	0
Electrical characteristics			
Rated operational voltage	U _e	V AC	690
			63
Rated uninterrupted current	lu	A	
Note on rated uninterrupted current !u			Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating			
fuse			80/50
Rated conditional short-circuit current	Iq	kA	In = 80: 50 In = 50: 100
Breaking current		kA	In = 80: 9.7 In = 50: 9.6
max. let-through energy		kA ² s	In = 80: 44
			In = 50: 10
Rated short-time withstand current (1 s current)	I _{cw}	A _{rms}	1500
Note on rated short-time withstand current lcw			Current for a time of 1 second
Switching capacity			
Rated breaking capacity $\cos \phi$ to IEC 60947-3		Α	
400/415 V		A	504
500 V		А	264
690 V		А	200
Safe isolation to EN 61140			
		W	6
Current heat loss per contact at l _e		vv	
Lifespan, mechanical	Operations		8500
AC			
AC-21A			
Rated operational current switch			
400 V 415 V	I _e	Α	63
500 V	I _e	А	63
690 V	I _e	А	63
AC-22A	-		
Rated operational current switch			
		^	c2
400 V 415 V	l _e	A	63
500 V	l _e	A	63
690 V	Ι _e	Α	63
AC-23A			
Rated operational current switch			
400 V 415 V	I _e	А	63
500 V	le	А	33
690 V	l _e	A	25
Motor rating AC-23A, 50 - 60 Hz	P	kW	
400 V 415 V	Р	kW	30
500 V	Р	kW	22
690 V	Р	kW	22
Terminal capacities			
Solid		mm ²	2.5 - 16
Flexible with ferrules to DIN 46228		mm ²	
flexible		mm ²	1.5 - 25
Max. tightening torque Technical safety parameters:		Nm	3
Notes			B10 _d values as per EN ISO 13849-1, table C1

Rate operational current for specified heat dissipation I A B Heat dissipation per pole, current-dependent Pode W0 0 Equipment heat dissipation, current-dependent Pode W0 0 Batic heat dissipation, current-dependent Pode W0 0 Operating ambient temperature mix. Pode W0 0 Operating ambient temperature max. Fode Fode Fode 102 Storegit on resistance Omerating antibult temperature max. Mest the product standard's requirements. 102.2 Corresion resistance Fode Fode Mest the product standard's requirements. 102.3 Verification of translating materials to normal heat Fode Fode Mest the product standard's requirements. 102.3 Verification of resistance of insulating materials to abnormal heat Fode Fode Mest the product standard's requirements. 102.3 Verification of resistance of insulating materials to abnormal heat Fode Fode Mest the product standard's requirements. 102.3 Verification of resistance of insulating materials to abnormal heat Fode Fode Mest the product standard's requirements. 102	Design verification as per IEC/EN 61439			
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Equipment had idisplation, current-dependent Peid We Output to the second s	Rated operational current for specified heat dissipation	In	А	63
Static heat dissipation, non-current-dependentPerW0Heat dissipation capacityPainetW0Operating ambient temperature min.*0-25Operating ambient temperature min.*0-25Operating ambient temperature max.*0-2610.23 Wordfreation*10*1010.23 Vordfreation of materials and parts*10*1010.23 Vordfreation of resistance*10*1010.23 Vordfreation of resistance of insulating materials to normal heat*10*1010.23 Verdfreation of resistance of insulating materials to abnormal heat*10*1010.24 Resistance to involved ing materials to abnormal heat*10*10*1010.24 Resistance to involved ing materials to abnormal heat*10*10*1010.24 Resistance to involved ing materials to abnormal heat*10*10*10*1010.25 Uning*10*10*10*10*10*1010.24 Resistance to involved ing materials to abnormal heat*10*10*10*10*1010.25 Uning*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*10*	Heat dissipation per pole, current-dependent	P _{vid}	W	6
Head dissipation capacity Pass W Operating ambient tamperature min. 25 Operating ambient tamperature max. 5 Deproting ambient tamperature max. 5 Deproting ambient tamperature max. 6 Deproting ambient tamperature	Equipment heat dissipation, current-dependent	P _{vid}	W	0
Operating ambient temperature min. -2 Operating ambient temperature max. *2 S 5 EVER 61438 design verification ************************************	Static heat dissipation, non-current-dependent	P _{vs}	W	0
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CEN 61439 design verification Image: Centre of the second sec	Operating ambient temperature min.		°C	-25
10.2 Strength of materials and parts Meets the product standard's requirements. 10.2.3 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 10.2.3.3 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 10.2.3.1 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated. 10.2.5 Interpreter of protection of ASSEMBLIES Does not apply, since the entire switchgear needs to be evaluated. 10.3.5 Protection against electric shock Meets the product standard's requirements. 10.4 Clearances and creepage distances Meets the product standard's requirements. 10.5 Protection of switching devices and components Does not apply, since the entire switchgear needs to be evaluated. 10.5 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 Insulation properties Is the panel builder's responsibility.	Operating ambient temperature max.		°C	55
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	10.13 Mechanical function			

Technical data ETIM 6.0

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

Electric engineering, automation, process control engineering / Low-voltage switc [AKF060010])	h technology / Off-load s	witch, circuit breaker, control switch / Switch disconnector (ecl@ss8.1-27-37-14-03
Version as main switch		No
Version as maintenance-/service switch		No
Version as safety switch		No
Version as emergency stop installation		No
Version as reversing switch		No
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-21, 400 V	А	63
Rated operation power at AC-3, 400 V	kW	0
Rated short-time withstand current lcw	kA	1.5
Rated operation power at AC-23, 400 V	kW	0
Switching power at 400 V	kW	0
Conditioned rated short-circuit current Iq	kA	100

Number of poles	3
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 ground mounting	Yes
Suitable for front mounting 4-hole	No
Suitable for front mounting center	No
Suitable for distribution board installation	Yes
Suitable for intermediate mounting	No
Colour control element	
Type of control element	-
Interlockable	No
Type of electrical connection of main circuit	Screw connection
Degree of protection (IP), front side	IP20

Dimensions

