





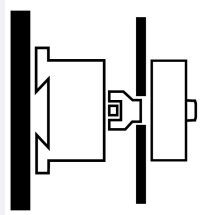
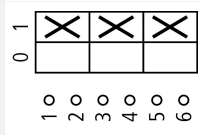
Switch-disconnector, 3 pole, 250 A, With red rotary handle and yellow locking ring, rear mounting, with 400 mm metal shaft



Powering Business Worldwide™

Part no. DMV-250/3/M4/P-R
Article no. 6094966

Delivery program

Product range			Switch-disconnector Main switch maintenance switch
Part group reference			DMV
Stop Function			Emergency switching off function
Notes			With red rotary handle and yellow locking ring
Information about equipment supplied			With metal shaft for a control panel depth of 400 mm
Number of poles			3 pole
Auxiliary contacts			
		N/O	0
		N/C	0
Degree of Protection			Front IP65
Design			rear mounting
			
Contact sequence			
Motor rating AC-23A, 50 - 60 Hz			
400 V	P	kW	147
Rated uninterrupted current	I _u	A	250

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	θ	°C	-30 - +80
Overvoltage category/pollution degree			III/3
Rated impulse withstand voltage	U _{imp}	kV	8
Rated insulation voltage	U _i	V	1000
Mounting position			As required
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof
Contacts			
Mechanical variables			
Number of poles			3 pole
Auxiliary contacts			
		N/O	0

		N/C	0
Electrical characteristics			
Rated operational voltage	U_e	V AC	690
Rated uninterrupted current	I_u	A	250
Note on rated uninterrupted current I_u			Rated uninterrupted current I_u is specified for max. cross-section.
Short-circuit rating			
fuse			500/250
Rated conditional short-circuit current	I_q	kA	$I_n = 500: 50$ $I_n = 250: 100$
Breaking current		kA	$I_n = 500: 40$ $I_n = 250: 33$
max. let-through energy		kA^2s	$I_n = 500: 1700$ $I_n = 250: 380$
Rated short-time withstand current (1 s current)	I_{cw}	A_{rms}	12000
Note on rated short-time withstand current I_{cw}			Current for a time of 0.3 seconds

Switching capacity

Rated breaking capacity $\cos \varphi$ to IEC 60947-3		A	
400/415 V		A	2000
500 V		A	1760
690 V		A	1120
Safe isolation to EN 61140			
Current heat loss per contact at I_e		W	3.75
Lifespan, mechanical	Operations		10000
AC			
AC-21A			
Rated operational current switch			
400 V 415 V	I_e	A	250
500 V	I_e	A	250
690 V	I_e	A	250
AC-22A			
Rated operational current switch			
400 V 415 V	I_e	A	250
500 V	I_e	A	250
690 V	I_e	A	250
AC-23A			
Rated operational current switch			
400 V 415 V	I_e	A	250
500 V	I_e	A	220
690 V	I_e	A	140
Motor rating AC-23A, 50 - 60 Hz			
400 V 415 V	P	kW	147
500 V	P	kW	160
690 V	P	kW	132

Terminal capacities

Flat conductor connection with busbars		mm^2	120
Terminal screw			M8 x 20
Max. tightening torque		Nm	14

Technical safety parameters:

Notes			$B10_d$ values as per EN ISO 13849-1, table C1
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Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		$^{\circ}C$	-25
Operating ambient temperature max.		$^{\circ}C$	55

Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Switch disconnecter (EC000216)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnecter (ecl@ss8.1-27-37-14-03 [AKF060010])			
Version as main switch			Yes
Version as maintenance-/service switch			No
Version as safety switch			No
Version as emergency stop installation			Yes
Version as reversing switch			No
Max. rated operation voltage Ue AC		V	690
Rated operating voltage		V	690 - 690
Rated permanent current Iu		A	250
Rated permanent current at AC-21, 400 V		A	250
Rated operation power at AC-3, 400 V		kW	0
Rated short-time withstand current Icw		kA	12
Rated operation power at AC-23, 400 V		kW	250
Switching power at 400 V		kW	250
Conditioned rated short-circuit current Iq		kA	50
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			No
Suitable for intermediate mounting			Yes
Colour control element			Red
Type of control element			Short thumb-grip
Interlockable			Yes
Type of electrical connection of main circuit			Screw connection
Degree of protection (IP), front side			IP20