

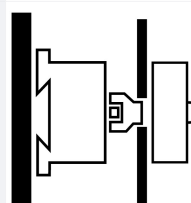




## Switch-disconnector, 4 pole, 250 A, With red rotary handle and yellow locking ring, rear mounting, with 400 mm metal shaft

**Part no.** DMV-250/4/M4/P-R  
**Article no.** 6094970

### Delivery program

Product range			Switch-disconnector Main switch maintenance switch										
Part group reference			DMV										
Stop Function			Emergency switching off function										
			With red rotary handle and yellow locking ring										
Notes			With metal shaft for a control panel depth of 400 mm										
Information about equipment supplied			auxiliary contact fitted by user.										
Number of poles			4 pole										
Auxiliary contacts													
		N/O	0										
		N/C	0										
Degree of Protection			Front IP65										
Design			rear mounting										
													
Contact sequence			<table><tr><td>1</td><td>X</td><td>X</td><td>X</td><td>X</td></tr><tr><td>0</td><td></td><td></td><td></td><td></td></tr></table> <div>1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0</div>	1	X	X	X	X	0				
1	X	X	X	X									
0													
Motor rating AC-23A, 50 - 60 Hz													
400 V	P	kW	147										
Rated uninterrupted current	I <sub>u</sub>	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 <sub>imp</sub>	kV	8
Rated insulation voltage	U <sub>i</sub>	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			4 pole
Auxiliary contacts			
		N/O	0

		N/C	0
Electrical characteristics			
Rated operational voltage	U <sub>e</sub>	V AC	690
Rated uninterrupted current	I <sub>u</sub>	A	250
Note on rated uninterrupted current I <sub>u</sub>			Rated uninterrupted current I <sub>u</sub> is specified for max. cross-section.
Short-circuit rating			
fuse			500/250
Rated conditional short-circuit current	I <sub>q</sub>	kA	I <sub>n</sub> = 500: 50 I <sub>n</sub> = 250: 100
Breaking current		kA	I <sub>n</sub> = 500: 40 I <sub>n</sub> = 250: 33
max. let-through energy		kA <sup>2</sup> s	I <sub>n</sub> = 500: 1700 I <sub>n</sub> = 250: 380
Rated short-time withstand current (1 s current)	I <sub>cw</sub>	A <sub>rms</sub>	12000
Note on rated short-time withstand current I <sub>cw</sub>			Current for a time of 0.3 seconds

Switching capacity

Rated breaking capacity cos φ 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 <sub>e</sub>		W	3.75
Lifespan, mechanical	Operations		10000
AC			
AC-21A			
Rated operational current switch			
400 V 415 V	I <sub>e</sub>	A	250
500 V	I <sub>e</sub>	A	250
690 V	I <sub>e</sub>	A	250
AC-22A			
Rated operational current switch			
400 V 415 V	I <sub>e</sub>	A	250
500 V	I <sub>e</sub>	A	250
690 V	I <sub>e</sub>	A	250
AC-23A			
Rated operational current switch			
400 V 415 V	I <sub>e</sub>	A	250
500 V	I <sub>e</sub>	A	220
690 V	I <sub>e</sub>	A	140
Motor rating AC-23A, 50 - 60 Hz	P	kW	
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 <sup>2</sup>	120
Terminal screw			M8 x 20
Max. tightening torque		Nm	14

Technical safety parameters:

Notes			B10 <sub>d</sub> 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.		°C	-25
Operating ambient temperature max.		°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			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 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