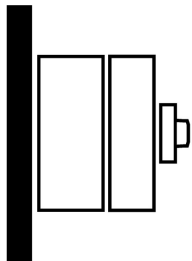
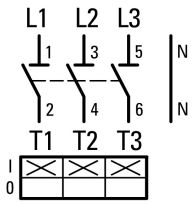


Part no. **DMV-630N/1+SH**
 Catalog No. **1814449**

Delivery program

Product range			Switch-disconnector Main switch maintenance switch
Part group reference			DMV
Stop Function			optional
			with operating shaft and knob
Notes			visible contacts
Information about equipment supplied			auxiliary contact fitted by user. including connection materials
Number of poles			3P + N (solid)
Auxiliary contacts			
		N/O	0
		N/C	0
Degree of Protection			IP00 IP20 with terminal cover
Design			surface mounting
			
Contact sequence			
Motor rating AC-23A, 50 - 60 Hz			
400 V	P	kW	375
Rated uninterrupted current	I_u	A	630
Note on rated uninterrupted current I_u			Rated uninterrupted current I_u is specified for max. cross-section.

Technical data

General			
Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204 Switch-disconnector according to IEC/EN 60947-3
Certifications			CE, RoHs, KEMA, EAC, 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	12
Rated insulation voltage	U_i	V	1000

Mounting position			As required
Contacts			
Mechanical variables			
Number of poles			3P + N (solid)
Auxiliary contacts			
		N/O	0
		N/C	0
Electrical characteristics			
Rated operational voltage	U_e	V AC	690
Rated uninterrupted current	I_u	A	630
Note on rated uninterrupted current I_u			Rated uninterrupted current I_u is specified for max. cross-section.
Short-circuit rating			
fuse			1000/630
Rated conditional short-circuit current	I_q	kA	$I_n = 1000: 50$ $I_n = 630: 100$
Breaking current		kA	$I_n = 1000: 70$ $I_n = 630: 65$
max. let-through energy		kA^2s	$I_n = 1000: 4200$ $I_n = 630: 3200$
Rated short-time withstand current (1 s current)	I_{cw}	A_{rms}	36000
Note on rated short-time withstand current I_{cw}			Current for a time of 0.3 seconds
Heat dissipation per pole, current-dependent	P_{vid}	W	17.5

Switching capacity

Rated breaking capacity $\cos \varphi$ to IEC 60947-3			
400/415 V		A	5040
500 V		A	4600
690 V		A	3496
Safe isolation to EN 61140			
Current heat loss per contact at I_e		W	17.5
Lifespan, mechanical	Operations		5000
AC			
AC-21A			
Rated operational current switch			
400 V 415 V	I_e	A	630
500 V	I_e	A	630
690 V	I_e	A	630
AC-22A			
Rated operational current switch			
400 V 415 V	I_e	A	630
500 V	I_e	A	630
690 V	I_e	A	630
AC-23A			
Rated operational current switch			
400 V 415 V	I_e	A	630
500 V	I_e	A	575
690 V	I_e	A	437
Motor rating AC-23A, 50 - 60 Hz			
400 V 415 V	P	kW	375
500 V	P	kW	425
690 V	P	kW	425

Terminal capacities

Tightening torque for terminal screw		Nm	28
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Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	630

Heat dissipation per pole, current-dependent	P _{vid}	W	17.5
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55

Additional product information (links)

Technical overview cam switch, switch-disconnector	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.2
System overview cam switch T	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.4
System overview switch-disconnector P	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.6
Key to part numbers Cam switch	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8
Key to part numbers Switch-disconnector	http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.8
Switches for ATEX	http://www.coopercrouse-hinds.eu/en/products/25-ex-safety-and-main-current-switches.html