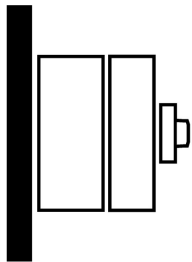
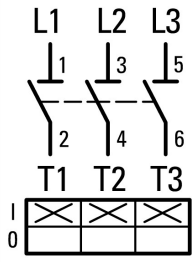


Part no. **DMV-630N/3+SH**  
 Catalog No. **1814448**

### Delivery program

Product range			Switch-disconnector Main switch maintenance switch
Part group reference			DMV
Stop Function			optional
			with operating shaft and knob
<b>Notes</b>			visible contacts
Information about equipment supplied			auxiliary contact fitted by user. including connection materials
Number of poles			3 pole
<b>Auxiliary contacts</b>			
		N/O	0
		N/C	0
Degree of Protection			IP00 IP20 with terminal cover
Design			surface mounting
			
Contact sequence			
<b>Motor rating AC-23A, 50 - 60 Hz</b>			
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

<b>General</b>			
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	$\theta$	°C	-25 - +55
Storage	$\theta$	°C	-30 - +80
Overvoltage category/pollution degree			III/3
Rated impulse withstand voltage	$U_{imp}$	kV	12

Rated insulation voltage	U <sub>i</sub>	V	1000
Mounting position			As required

## Contacts

Mechanical variables			
Number of poles			3 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	630
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			1000/630
Rated conditional short-circuit current	I <sub>q</sub>	kA	I <sub>n</sub> = 1000: 50 I <sub>n</sub> = 630: 100
Breaking current		kA	I <sub>n</sub> = 1000: 70 I <sub>n</sub> = 630: 65
max. let-through energy		kA <sup>2</sup> s	I <sub>n</sub> = 1000: 4200 I <sub>n</sub> = 630: 3200
Rated short-time withstand current (1 s current)	I <sub>cw</sub>	A <sub>rms</sub>	36000
Note on rated short-time withstand current I <sub>cw</sub>			Current for a time of 0.3 seconds
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	17.5

## Switching capacity

Rated breaking capacity cos φ to IEC 60947-3			
		A	
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 <sub>e</sub>		W	17.5
Lifespan, mechanical	Operations		5000
AC			
AC-21A			
Rated operational current switch			
400 V 415 V	I <sub>e</sub>	A	630
500 V	I <sub>e</sub>	A	630
690 V	I <sub>e</sub>	A	630
AC-22A			
Rated operational current switch			
400 V 415 V	I <sub>e</sub>	A	630
500 V	I <sub>e</sub>	A	630
690 V	I <sub>e</sub>	A	630
AC-23A			
Rated operational current switch			
400 V 415 V	I <sub>e</sub>	A	630
500 V	I <sub>e</sub>	A	575
690 V	I <sub>e</sub>	A	437
Motor rating AC-23A, 50 - 60 Hz			
	P	kW	
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
--------------------------------------	--	----	----

## Design verification as per IEC/EN 61439

Technical data for design verification			
--	--	--	--

Rated operational current for specified heat dissipation	I <sub>n</sub>	A	630
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	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	<a href="http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.2">http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.2</a>
System overview cam switch T	<a href="http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.4">http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.4</a>
System overview switch-disconnector P	<a href="http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.6">http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.6</a>
Key to part numbers Cam switch	<a href="http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.8">http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.8</a>
Key to part numbers Switch-disconnector	<a href="http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.8">http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&amp;startpage=4.8</a>
Switches for ATEX	<a href="http://www.coopercrouse-hinds.eu/en/products/25-ex-safety-and-main-current-switches.html">http://www.coopercrouse-hinds.eu/en/products/25-ex-safety-and-main-current-switches.html</a>