Main switch Rear mounting Metal shaft

Part no. P1-25/M4/K1-PG/N
Article no. 172774
Catalog No. P1-25/M4/K1-PG/N

Delivery programme

Product range			Switch-disconnectors T, P
Basic function			Main switches Maintenance switches Manual override switches
Part group reference			P1
Emergency STOP			without emergency switching off/ emergency stop function With black rotary handle and locking ring
Contacts			without auxiliary contacts Neutral pole auxiliary contact fitted by user
Main circuits			3 + N
Poles			
Auxiliary contacts		N/O	0
		B	0
Locking facility			Lockable in the 0 (Off) position
Protection type			Front IP65
Design			main switches rear mounting
Contact sequence			
Front plate no.			FS 908
Bemessungsbetriebsleistung AC-23A, 50 - 60 Hz			
400 V	P	kW	13
Rated uninterrupted current	I_u	A	25

General

Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, Switch-disconnector according to IEC/EN 60947-3
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature		°C	
Open		°C	-25 - +50
Enclosed		°C	-25 - +40
Overvoltage category/pollution degree			III/3
Rated impulse withstand voltage	U_{imp}	V AC	6000
Mechanical shock resistance		g	15
Mounting position			As required
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof

Contacts

Mechanical variables			
Main circuits			
Poles			3 + N
Auxiliary contacts			
		N/O	0
		B	0
Electrical characteristics			
Rated operational voltage	U_e	V AC	690
Rated uninterrupted current	I_u	A	25
Note on rated uninterrupted current $!_u$			Rated uninterrupted current Iu is specified for max. cross-section.
Load rating with intermittent operation, class 12			
AB 25 % DF		x I_e	2
AB 40 % DF		x I_e	1.6
AB 60 % DF		x I_e	1.3
Short-circuit rating			
Fuse		A gG/ gL	25
Rated short-time withstand current (1 s current)	I_{cw}	A_{rms}	640
Note on rated short-time withstand current Icw			Current for a time of 1 second

Switching capacity

Bemessungsausschaltvermögen cos φ nach IEC 60947-3		A	
230 V		A	190
400/415 V		A	150
500 V		A	170
690 V		A	150
Safe isolation to EN 61140			
between the contacts		V AC	440
Current heat loss per contact at I_e		W	1.1
Lifespan, mechanical	Operations	x 10^6	> 0.3
Maximum operating frequency	Operations/ h		1200
AC			
AC-3			
Rating, motor load switch	P	kW	
220 V 230 V	P	kW	5.5
400 V 415 V	P	kW	7.5
500 V	P	kW	7.5
690 V	P	kW	7.5
Bemessungsbetriebsstrom Motorschalter			
230 V	I_e	A	19.6
400V 415 V	I_e	A	15.2
500 V	I_e	A	12.1
690 V	I_e	A	8.8
AC-21A			
Bemessungsbetriebsstrom Lastschalter			
440 V	I_e	A	25
AC-23A			
Bemessungsbetriebsleistung AC-23A, 50 - 60 Hz	P	kW	
230 V	P	kW	7
400 V 415 V	P	kW	13
500 V	P	kW	11
690 V	P	kW	11
Bemessungsbetriebsstrom Motorschalter			

230 V			
DC			
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	I_e	A	25
Voltage per contact pair in series		V	60
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current	I_e	A	25
Contacts		Quantity	1
48 V			
Rated operational current	I_e	A	25
Contacts		Quantity	2
60 V			
Rated operational current	I_e	A	25
Contacts		Quantity	3
120 V			
Rated operational current	I_e	A	12
Contacts		Quantity	3

Terminal capacities

Flexible with ferrules to DIN 46228		mm^2	
Flexible with ferrule		mm^2	1 x (1 - 4) 2 x (1 - 4)
Terminal screw			M4
Max. tightening torque		Nm	1.6

Additional product information (links)

http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=4.87

http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.2

http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.4

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