



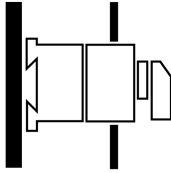
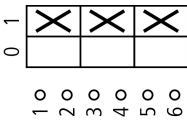
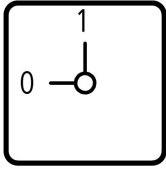
Switch-Disconnecter Serv.distr.board moun



Powering Business Worldwide™

Part no. P1-32/IVS-RT
Article no. 022632
Catalog No. SP1-032-SDKRQ

Delivery programme

Product range			Switch-disconnectors
Basic function			ON-OFF switches
Part group reference			P1
Design			Distribution board - assembly
			
Protection type			Front IP30
Emergency stop			As an emergency switching off/emergency stop device
			with red thumb grip and yellow front plate
Standards			according to IEC/EN 60 204-1, VDE 113 Part 1
Locking facility			Not lockable
			without auxiliary contacts
Contact sequence			
Front plate no.			 FS 908 GE
Main conducting paths			
No. of poles		M	3
Auxiliary contacts		N/O	0
		B	0
Max. motor rating			
AC-23A			
400/415 V 50-60 Hz	P	kW	15
Rated uninterrupted current	I _u	A	32

Approvals

Product Standards
 UL File No.
 UL CCN
 CSA File No.
 CSA Class No.
 NA Certification
 Suitable for
 Degree of Protection

UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking
 E36332
 NLRV
 12528
 3211-05
 UL listed, CSA certified
 Branch circuits, suitable as motor disconnect
 IEC: IP65; UL/CSA Type: –

General

Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch disconnecter according to IEC/EN 60947-3
Lifespan, mechanical	Operations	x 10 ⁶	0.3
Maximum operating frequency		Operations/h	50
Climatic proofing			Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
Ambient temperature		°C	
Open		°C	- 25 - 50
Enclosed		°C	- 25 - 40
Mounting position			As required
Mechanical shock resistance to IEC 60068-2-27	Half-sinusoidal shock 20 ms	g	> 15

Contacts

Rated operational voltage	U _e	V AC	690
Rated impulse withstand voltage	U _{imp}	V AC	6000
Overvoltage category/pollution degree			III/3
Rated uninterrupted current	I _u	A	
open	I _u	A	32
Enclosed	I _u	A	32
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	50
Rated short-time withstand current (1 s current)	I _{cw}	A _{rms}	640
Switching angles		°	90
Current heat loss per contact at I _e		W	1.8

Terminal capacities

Solid or stranded		mm ²	1 x (1.5 - 6) 2 x (1.5 - 6)
Flexible with ferrules to DIN 46228		mm ²	
Flexible with ferrule		mm ²	1 x (1 - 4) 2 x (1 - 4)
Terminal screw			M4
Tightening torque		Nm	1.6

Switching capacity

AC		x U _s	
Rated making capacity cos φ = 0.35		A	320
Rated breaking capacity, motor load switch cos φ = 0.35		A	
230 V		A	260
400 V		A	300
500 V		A	290
690 V		A	250
Rated operational current 440 V load-break switch AC-21A	I _e	A	32
Rating, AC-3 motor load switch	P	kW	
220 V 230 V	P	kW	7.5
380 V 400 V	P	kW	13
500 V	P	kW	15
660 V 690 V	P	kW	12
AC-23A Motor load switches (main switches maintenance switches)	P	kW	

230 V	P	kW	8.5
400 V	P	kW	15
500 V	P	kW	18.5
690 V	P	kW	17.5
DC		$\times U_s$	
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	I_e	A	32
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

Auxiliary contacts

Standards according to IEC/EN 60 204-1, VDE 113 Part 1

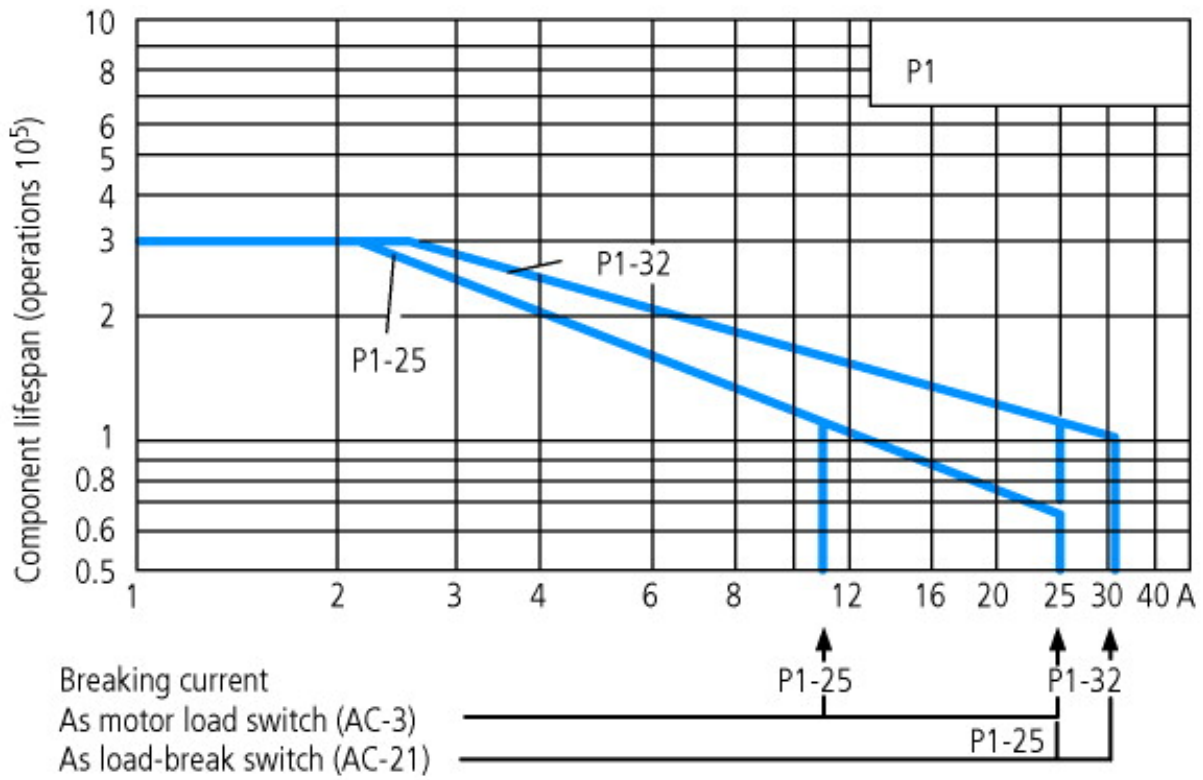
Notes

Notes Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft
The rated uninterrupted current I_u is stated at max. connected cross-section.
For terminal capacity solid, stranded and flexible:
Max. 2 cross-section sizes difference admissible when using 2 conductors.

Technical data ETIM 4.0

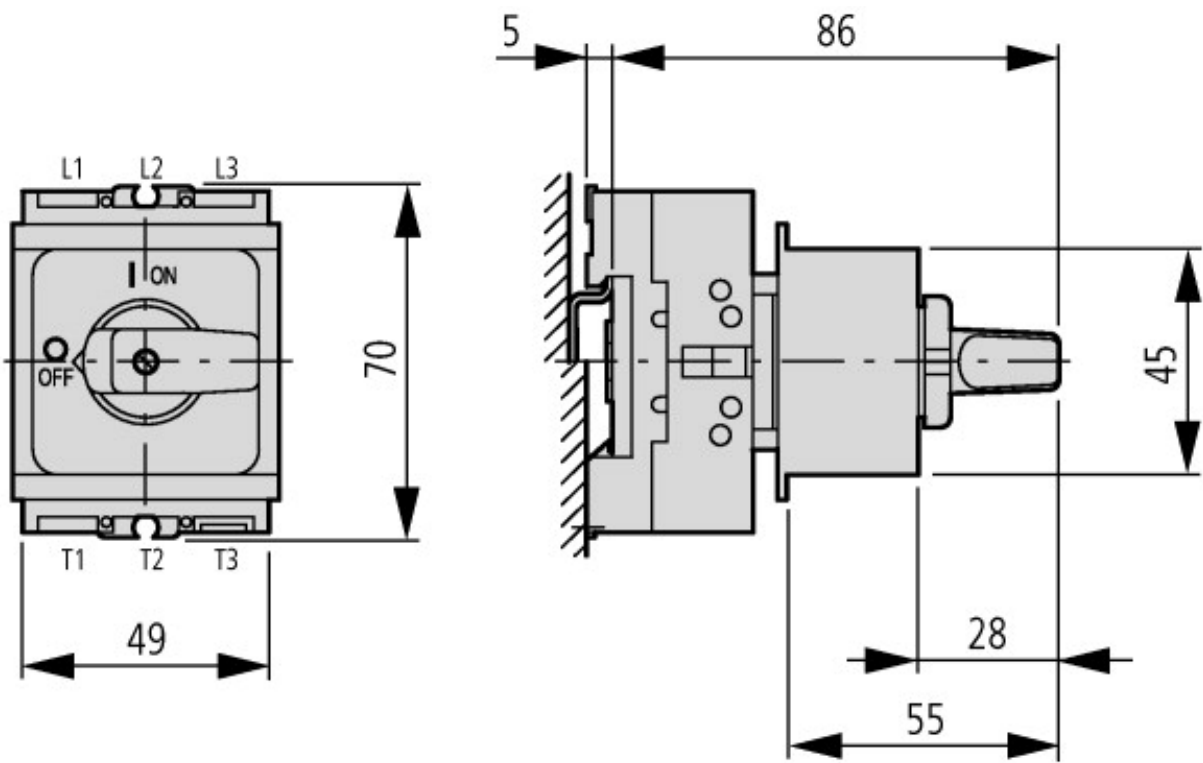
Version as switch disconnecter compact			Yes
Version as main switch			No
Version as maintenance-/service switch			No
Version as safety switch			No
Version as emergency stop installation			No
Max. rated operation voltage U_e AC		V	690
Rated permanent current I_u		A	32
Rated operation power AC-3, 400 V		kW	13
Rated operation power at AC-23, 400V		kW	15
Conditioned rated short-circuit current I_q		kA	0
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			No
Suitable for front mounting			No
Suitable for front mounting center			No
Suitable for distribution board installation			Yes
Suitable for intermediate mounting			No
Type of control element			Toggle
Interlockable			No
Connection type main current circuit			Screw connection

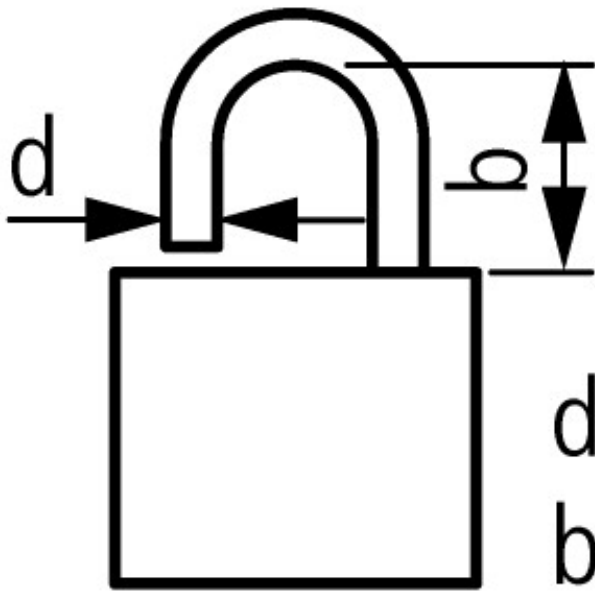
Characteristics




For utilisation category AC-4 (extreme load: 100 % inching, reversing or plugging)
 The blocked rotor current of the motor should not exceed the rated current of the switch for AC-21A to ensure a reasonable device lifespan.

Dimensions





$$d = 4 - 8 \text{ mm}$$
$$b + d \leq 47 \text{ mm}$$

 3 padlocks

Additional product information (links)

IL03802004Z (AWA1150-1891) Switch-Disconnectors for rear mounting

IL03802004Z (AWA1150-1891) Switch-Disconnectors for rear mounting

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03802004Z2011_06.pdf

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