

# Switch-DisconnectorServ.distr.board moun

Powering Business Worldwide

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

# **Delivery programme**

Basic function Part group reference Design  Protection type Front IP30 Front IP30 Front and IP30 Front plate Emergency stop As an emergency switching attlemergency stop device with rod thumb gro and values front plate according to ECCPN 80 20-1, VDE 113 Part 1  Not lockable without auxiliary contacts  FS 908 GE  Main conducting parties No. of poles  P NV 15	elivery programme			
Part group reference Design  Protection type Energency stop As an emergency switching offenergency stop device with red bumb grip and yellow front plate according to IEC/EN 80 204-1, VIDE 113 Part 1 Not lockbase Locking facility  Without auxiliary contacts  Without auxiliary contacts  FS 908 GE  Main conducting paths No. of poles  Max. motor rating Auxiliary contacts  Max. motor rating Ac 22A 4604 Nz 46	Product range			Switch-disconnectors
Design  Design  Design  Distribution board - assembly  Front IP30  As an emergency stop  As an emergency switching off/emergency stop device with red thumb grip and valley from plate according to IECPE NR 206-1, VIDE 113 Part 1  Not lockable without auxiliary contacts  Contact sequence  FS 908 GE  Main cenducting paths No. of poles  Main cenducting paths No. of poles  Max. motor rating AC 23A 480415 V 590 NR  P NW 15	Basic function			ON-OFF switches
Protection type  Emergency stop  As an emergency switching afference years provided with red thumb grip and yellow front plate according to IEUFH 80 284-1, VIDE 113 Part 1  Locking facility  Without auxiliary contacts  Contact sequence  Front plate no.  Front plate no.  Front plate no.  Main conducting paths  No. of poles  Miles an emergency switching afference years place with red thumb grip and yellow front plate according to IEUFH 80 284-1, VIDE 113 Part 1  Not locking to IEUFH 80 284-1, VIDE 113 Part	Part group reference			P1
Protection type Emergency stop  As an emergency switching officmergency stop device with red thumb gip and yellow front plate according to IEC/RN 60 204-1, VDE 113 Part 1 Not lockable without auxiliary contacts  Front plate no.  Front plate no.  Front plate no.  Main conducting parths No. of poles  Auxiliary contacts  NO  B  O  Max. meter rating  AC-22A 400415 V 50-60 Hz  P  KW  15	Design			Distribution board - assembly
Emergency stop  As an omergency switching off/amergency stop device with red thumb grip and yellow front plate according to IEC/EN 80 294-1, VDE 113 Part 1 Not lockable Without auxiliary contacts  Contact sequence  Front plate no.  FS 908 GE  Main conducting paths No. of poles  Mo.				<b>I</b> I
Standards Locking facility  Not lockable without suxiliary contacts  Contact sequence  Front plate no.  Front plate no.  Front plates  No. of poles  Main conducting paths  No. of poles  Max. motor rating  AC-23/A 400/415 V 50-60 Hz  With red thumb grip and yellow front plate according to IEC/EN 80 204-1, VDE 113 Part 1  Not lockable without suxiliary contacts  FS 908 GE  FS 908 GE   NO 0  B 0  WM 3	Protection type			Front IP30
Standards Locking facility  Contact sequence  Front plate no.  Main conducting paths  No. of poles  Max. motor rating  AC-220A  400/415 V 50-80 Hz  AC 2014  ADAMSHIRST CONTACTS  Not lockable  without auxiliary contacts  without auxiliary contacts  Without auxiliary contacts  FS 908 GE   Main conducting paths  M 3  AC-220A  400/415 V 50-80 Hz  AC 2015  ADAMSHIRST CONTACTS  ACT ACT 2016  ACT 2016  ACT 2016  ACT	Emergency stop			As an emergency switching off/emergency stop device
Locking facility  Contact sequence  Front plate no.  Main conducting paths  No. of poles  Auxiliary contacts  N/O  B  O  Max. motor rating  AC-22A  400/415V 50-80 Hz  Not lockable  without auxiliary contacts  Without auxiliary contacts  FS 908 GE  No. of poles  M  3  No. of poles  NO. of poles  N/O  B  O  IIII  NO. of poles  N/O  B  O  NO. of poles  N/O  D  NO. of poles  N/O  B  O  NO. of poles  N/O  D  NO. of poles  N/O  NO. of poles  NO. of				with red thumb grip and yellow front plate
without auxiliary contacts  Contact sequence  Front plate no.  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-22A  400/415V 50-80 Hz  P NW 15	Standards			according to IEC/EN 60 204-1, VDE 113 Part 1
Contact sequence  Front plate no.  FS 908 GE  Main conducting paths  No. of poles  M 3  Auxiliary contacts  N/O 0  B 0  WAX. motor rating  AC-22A  400/415V 50-60 Hz  P WW 15	Locking facility			Not lockable
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				without auxiliary contacts
FS 908 GE  Main conducting paths  No. of poles  Maxillary contacts  N/O  B  O  Max. motor rating  AC-23A  400/415 V 50-80 Hz  AC-25 A  400/415 V 50-80 Hz	Contact sequence			00000
Main conducting paths  No. of poles  Multiply contacts  N/O 0  B 0  Max. motor rating  AC-23A  400/415 V 50-60 Hz  AC-26A  P kW 15	Front plate no.			
No. of poles  Auxiliary contacts  N/O 0  B 0  Max. motor rating  AC-23A  400/415 V 50-60 Hz  AC-25  P kW 15				FS 908 GE
Auxiliary contacts  N/0 0  B 0  Max. motor rating  AC-23A  400/415 V 50-60 Hz  P kW 15	Main conducting paths			
N/O 0 B 0  Max. motor rating AC-23A P kW 15	No. of poles		М	3
Max. motor rating       B       0         AC-23A       P       kW       15         400/415 V 50-60 Hz       P       kW       15	Auxiliary contacts			
Max. motor rating  AC-23A  400/415 V 50-60 Hz  P kW 15			N/0	0
Max. motor rating  AC-23A  400/415 V 50-60 Hz  P kW 15				
AC-23A  400/415 V 50-60 Hz  P kW 15	<b>7</b>		В	0
AC-23A  400/415 V 50-60 Hz  P kW 15	Max. motor rating			
400/415 V P kW 15 50-60 Hz				
	400/415 V	Р	kW	15
	Rated uninterrupted current	I <sub>u</sub>	Α	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 disconnector according to IEC/EN 60947-3
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	0.3
Maximum operating frequency		Operati	ions¶0
Climatic proofing		II .	Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
Ambient temperature		°C	3300 2 50
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 <sub>e</sub>	V AC	690
Rated impulse withstand voltage	U <sub>imp</sub>	V AC	6000
Overvoltage category/pollution degree			III/3
Rated uninterrupted current	l <sub>u</sub>	Α	
open	lu	Α	32
Enclosed	l <sub>u</sub>	Α	32
Load rating with intermittent operation, class 12			
AB 25 % DF		хI <sub>е</sub>	2
AB 40 % DF		хI <sub>е</sub>	1.6
AB 60 % DF		хI <sub>е</sub>	1.3
Short-circuit rating			
Fuse		A gG/ gL	50
Rated short-time withstand current (1 s current)	I <sub>cw</sub>	$A_{rms}$	640
Switching angles		0	90
Current heat loss per contact at I <sub>e</sub>		W	1.8
Terminal capacities			
Solid or stranded		mm <sup>2</sup>	1 x (1.5 - 6) 2 x (1.5 - 6)
Flexible with ferrules to DIN 46228		mm <sup>2</sup>	
Flexible with ferrule		mm <sup>2</sup>	1 x (1 - 4) 2 x (1 - 4)
Terminal screw		N	M4
Tightening torque Switching capacity		Nm	1.6
AC		x Us	
Rated making capacity cos φ = 0.35		A	320
Rated breaking capacity, motor load switch $\cos \phi = 0.35$		A	
230 V		Α	260
400 V		Α	300
500 V		Α	290
690 V		Α	250
Rated operational current 440 V load-break switch AC-21A	le	Α	32
Rating, AC-3 motor load switch	P	kW	
220 V 230 V	Р	kW	7.5
380 V 400 V	P	kW	13
500 V	P	kW	15
660 V 690 V	Р	kW	12
AC-23A Motor load switches (main switches maintenance switches)	Р	kW	

230 V	Р	kW 8.5
400 V	Р	kW 15
500 V	Р	kW 18.5
690 V	Р	kW 17.5
DC		x U <sub>s</sub>
DC-1, Load-break switches L/R = 1 ms		
Rated operational current	l <sub>e</sub>	A 32
Voltage per contact pair in series		V 60
DC-23A, motor load switch L/R = 15 ms		
24 V		
Rated operational current	l <sub>e</sub>	A 25
Contacts		Quantity 1
48 V		
Rated operational current	l <sub>e</sub>	A 25
Contacts		Quantity 2
60 V		
Rated operational current	l <sub>e</sub>	A 25
Contacts		Quantity 3
120 V		
Rated operational current	l <sub>e</sub>	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

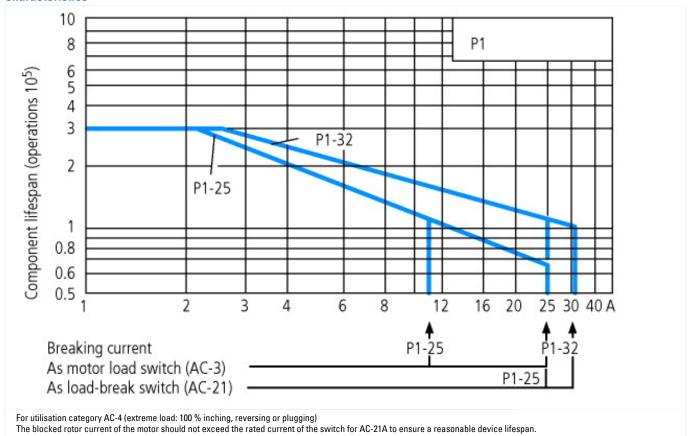
The rated uninterrupted current  $I_{\text{U}}$  is stated at max. connected cross-section.

For terminal capacity solid, stranded and flexible: Max. 2 cross-section sizes difference admissible when using 2 conductors.

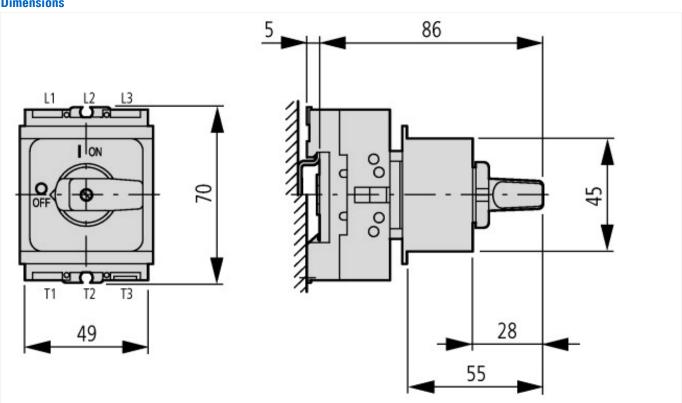
# **Technical data ETIM 4.0**

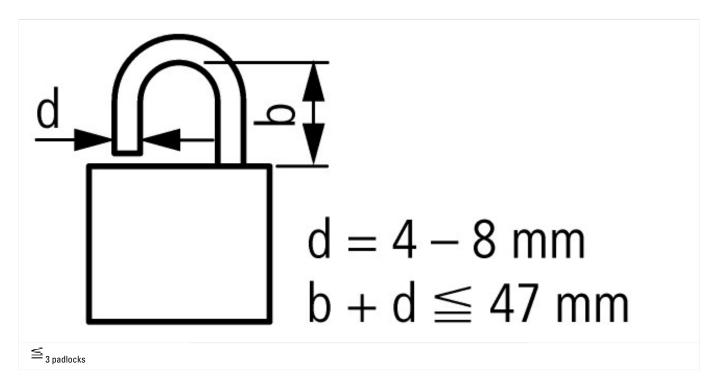
Version as switch disconnector compact		Yes
Version as main switch		No
Version as maintenance-/service switch		No
Version as safety switch		No
Version as emergency stop installation		No
Max. rated operation voltage Ue AC	V	690
Rated permanent current lu	Α	32
Rated operation power AC-3, 400 V	kW	13
Rated operation power at AC-23, 400V	kW	15
Conditioned rated short-circuit current Iq	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**



# **Dimensions**





# **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