DATASHEET - P3-63/Z/2HI11



On-Off switch, P3, 63 A, rear mounting, 3 pole, 2 N/O, 2 N/C, with black thumb grip and front plate



Part no. P3-63/Z/2HI11 Catalog No. 012616

Product range Part group reference Part black thumb grip and front plate Part group reference Part group referenc				
Part group reference Part group reference	Delivery program			
with black thumb grip and front plate Auxiliary contacts N/C 2 Pront IP65 rear mounting Front plate no. Motor rating AC-23A, 50 - 60 Hz 400 V Read Rated unintarrupted current with black thumb grip and front plate 3 pole with black thumb grip and front plate 3 pole with black thumb grip and front plate 3 pole in the plate in the pl	Product range			On-Off switch
Number of poles Auxiliary contacts N/C 2 Pront IP65 Pront IP65 Prant plate no. Front plate no. Motor rating AC-23A, 50 - 60 Hz 400 V Retailed uninterrupted current Auxiliary contacts N/C 2 Front IP65 Front IP6	Part group reference			P3
Auxiliary contacts N/O 2 N/C 2 Pront IP65 rear mounting Front plate no. I DN OFF FS 908 Motor rating AC-23A, 50 - 60 Hz 400 V Roted uninterrupted current I N/O 2 Front IP65 Front IP65 Front P65 FS 908				with black thumb grip and front plate
N/C 2 N/C 2 Pront IP65 rear mounting Front plate no.	Number of poles			3 pole
Pront IP65 Design Front IP65 rear mounting Front plate no. IDN OFF	Auxiliary contacts			
Degree of Protection Design Front IP65 rear mounting Front plate no. Front plate no. Front plate no. Front plate no. P kW 30 Rated uninterrupted current I u A 63	4		N/0	2
Perint plate no. Motor rating AC-23A, 50 - 60 Hz 400 V Rated uninterrupted current P kW 30 Rated uninterrupted current rear mounting rear	7		N/C	2
Front plate no. Front plate no. Front plate no. FS 908 Motor rating AC-23A, 50 - 60 Hz 400 V Rated uninterrupted current Iu A 63	Degree of Protection			Front IP65
Motor rating AC-23A, 50 - 60 Hz 400 V P kW 30 Rated uninterrupted current Iu A 63	Design			rear mounting
Motor rating AC-23A, 50 - 60 Hz 400 V P kW 30 Rated uninterrupted current Iu A 63				
400 V P kW 30 Rated uninterrupted current I _u A 63	Front plate no.			O _O
Rated uninterrupted current I _u A 63	Motor rating AC-23A, 50 - 60 Hz			
	400 V	P	kW	30
Note on rated uninterrupted current l _u is specified for max. cross-section.	Rated uninterrupted current	lu	Α	63
	Note on rated uninterrupted current !u			Rated uninterrupted current $I_{\rm u}$ is specified for max. cross-section.

Technical data

VDE 0660, IEC/EN 60204, CSA, UL Inector according to IEC/EN 60947-3
instant, to IEC 60068-2-78 iclic, to IEC 60068-2-30

Mechanical variables	
Number of poles	3 pole

Auxiliary contacts			
ruxilary contacts		N/O	2
		N/C	2
Electrical characteristics			
Rated operational voltage	U _e	V AC	690
Rated uninterrupted current	Iu	A	63
Note on rated uninterrupted current !u	u		Rated uninterrupted current $I_{\rm u}$ is specified for max. cross-section.
Load rating with intermittent operation, class 12			The second secon
AB 25 % DF		x I _e	2
AB 40 % DF		x l _e	1.6
AB 60 % DF		x I _e	1.3
Short-circuit rating		^ 'e	
Fuse		A gG/gL	80
Rated short-time withstand current (1 s current)	I _{cw}		1260
Note on rated short-time withstand current lcw	cw	A _{rms}	Current for a time of 1 second
Rated conditional short-circuit current		kA	4
Switching capacity	Iq	NA.	•
cos φ rated making capacity as per IEC 60947-3		Α	800
Rated breaking capacity cos φ to IEC 60947-3		Α	
230 V		Α	640
400/415 V		Α	600
500 V		Α	590
690 V		Α	340
Safe isolation to EN 61140			
between the contacts		V AC	440
Current heat loss per contact at I _e		W	4.5
Current heat loss per auxiliary circuit at I _e (AC-15/230 V)		CO	0.2
Lifespan, mechanical	Operations	x 10 ⁶	> 0.1
Maximum operating frequency	Operations/h		1200
AC			
AC-3			
Rating, motor load switch	P	kW	
220 V 230 V	P	kW	15
400 V 415 V	Р	kW	30
500 V	Р	kW	30
690 V	Р	kW	30
Rated operational current motor load switch			
230 V	l _e	Α	51
400V 415 V	I _e	Α	55
500 V	I _e	Α	44
690 V	le	Α	22.1
AC-21A			
Rated operational current switch			
440 V	l _e	Α	63
AC-23A			
Motor rating AC-23A, 50 - 60 Hz	P	kW	
230 V	Р	kW	18.5
400 V 415 V	Р	kW	30
500 V	Р	kW	45
690 V	Р	kW	55
Rated operational current motor load switch			
230 V	l _e	Α	63
400 V 415 V	l _e	Α	63
			63

63 63 60 50 50 1 50 2 50 ity 2 50 ity 2 7 50 2 50 1 1 × (2,5 - 35) 2 × (2,5 - 10)
50 ity 1 50 ity 2 50 ity 2 25 ity 3 < 10 ⁻⁵ ,<1 failure in 100,000 switching operations 1 x (2,5 - 35)
50 ity 1 50 ity 2 50 ity 2 25 ity 3 < 10 ⁻⁵ ,<1 failure in 100,000 switching operations 1 x (2,5 - 35)
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1 x (1.5 - 25)
2 x (1.5 - 6)
M5
3
D10, volume on per FN ICO 13949 1 Aprile C1
B10 _d values as per EN ISO 13849-1, table C1
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	esiar	n verification	as pe	r IEC/EN	61439
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Technical data for design verification

Rated operational current for specified heat dissipation	In	Α	63
Heat dissipation per pole, current-dependent	P _{vid}	W	4.5
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	50
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			UV resistance only in connection with protective shield.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
10.12 Electromagnetic compatibility			Is the panel builder's responsibility. The specifications for the switch gear must be observed. $\label{eq:constraint}$
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Switch disconnector (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss10.0.1-27-37-14-03 [AKF060013])

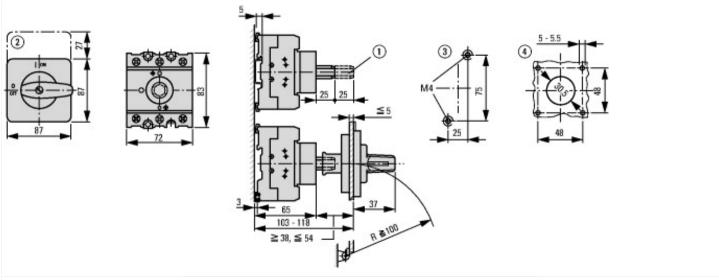
p and occorrent		
Version as main switch		No
Version as maintenance-/service switch		No
Version as safety switch		No
Version as emergency stop installation		No
Version as reversing switch		No
Number of switches		1
Max. rated operation voltage Ue AC	V	690
Rated operating voltage	V	690 - 690
Rated permanent current lu	А	63
Rated permanent current at AC-23, 400 V	А	63
Rated permanent current at AC-21, 400 V	А	63
Rated operation power at AC-3, 400 V	kW	30
Rated short-time withstand current lcw	kA	1.26
Rated operation power at AC-23, 400 V	kW	30

Switching power at 400 V	kW	30
Conditioned rated short-circuit current Iq	kA	4
Number of poles		3
Number of auxiliary contacts as normally closed contact		2
Number of auxiliary contacts as normally open contact		2
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		Yes
Suitable for front mounting 4-hole		No
Suitable for front mounting centre		No
Suitable for distribution board installation		No
Suitable for intermediate mounting		Yes
Colour control element		Black
Type of control element		Door coupling rotary drive
Interlockable		No
Type of electrical connection of main circuit		Screw connection
Degree of protection (IP), front side		IP65
Degree of protection (NEMA)		12

Approvals

• •	
Product Standards	UL 60947-4-1;CSA - C22.2 No. 60947-4-1-14; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking
UL File No.	E36332
UL Category Control No.	NLRV
CSA File No.	12528
CSA Class No.	3211-05
North America Certification	UL listed, CSA certified
Suitable for	Branch circuits, suitable as motor disconnect
Degree of Protection	IEC: IP65; UL/CSA Type 1, 12

Dimensions



- Shaft extension with ZAV-P3 possible, max. 4 x 25 = 100 mm
 ZFS-... Label mount not included as standard
 Drilling dimensions base
 Drilling dimensions door

Assets (links)

Declaration of CE Conformity

00003104

Instruction Leaflets

IL03802005Z2018_05

Additional product information (links)

-	
IL03802005Z (AWA1150-1981) Switch-disconne	ctors for rear mounting
IL03802005Z (AWA1150-1981) Switch- disconnectors for rear mounting	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03802005Z2018_05.pdf
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
Ordering form for SOND switches and SOND front plates(DE_EN)	ftp://ftp.moeller.net/DOCUMENTATION/PDF/MZ008005ZU_Orderform_Customized_Switch.pdf
Ordering form for SOND switches and SOND front plates(DE_EN)	ftp://ftp.moeller.net/D0CUMENTATION/PDF/MZ008006ZU_Orderform_Customized_Switch.pdf