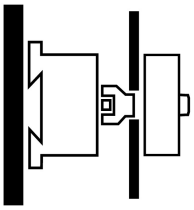
DC switch-disconnector, 2 pole, 160 A, with grey knob, rear mounting, with 300 mm metal shaft

Part no. DDC-160/2/M4/P-G
Article no. 6098935

Delivery program

Product range			DC switch-disconnector Main switch maintenance switch
Part group reference			DDC
			with grey knob
Notes			With metal shaft for a control panel depth of 400 mm
Information about equipment supplied			auxiliary contact fitted by user.
Number of poles			2 pole
Auxiliary contacts			
		N/O	2
		N/C	2
Degree of Protection			IP20
Design			rear mounting
			
Rated uninterrupted current	I_u	A	160

Technical data

General

Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, Switch-disconnector according to IEC/EN 60947-3
Certifications			CE, RoHs
Ambient temperature			
Storage	ϑ	°C	-40 - +80
Overvoltage category/pollution degree			III/3
Rated impulse withstand voltage	U_{imp}	kV	8
Rated insulation voltage	U_i	V	1200
Mounting position			As required
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof

Contacts

Mechanical variables			
Number of poles			2 pole
Auxiliary contacts			
		N/O	2
		N/C	2
Electrical characteristics			
Rated uninterrupted current	I_u	A	160
Note on rated uninterrupted current I_u			Rated uninterrupted current Iu is specified for max. cross-section.
Rated short-time withstand current (1 s current)	I_{cw}	A_{rms}	4000
Note on rated short-time withstand current Icw			Current for a time of 1 second
Rated short-circuit making capacity	I_{cm}	kA_{eff}	6

Switching capacity

Lifespan, mechanical	Operations		10000
DC			
Utilization category DC21B			
Rated operational current switch			
480 V	I_e	A	160
600 V	I_e	A	160
1000 V	I_e	A	160

Terminal capacities

Solid		mm^2	1 x 120
Flat conductor connection with busbars		mm^2	1 x (30 x 3) 2 x (20 x 3)
Terminal screw			M8
Max. tightening torque		Nm	14

Technical data ETIM 6.0

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@ss8.1-27-37-14-03 [AKF060010])

Version as main switch			Yes
Version as maintenance-/service switch			Yes
Version as safety switch			No
Version as emergency stop installation			No
Version as reversing switch			No
Max. rated operation voltage Ue AC		V	0
Rated operating voltage		V	1000 - 1000
Rated permanent current Iu		A	160
Rated permanent current at AC-21, 400 V		A	0
Rated operation power at AC-3, 400 V		kW	0
Rated short-time withstand current Icw		kA	4
Rated operation power at AC-23, 400 V		kW	0
Switching power at 400 V		kW	0
Conditioned rated short-circuit current Iq		kA	0
Number of poles			2
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			Yes
Suitable for front mounting 4-hole			No
Suitable for front mounting center			No
Suitable for distribution board installation			No
Suitable for intermediate mounting			No
Colour control element			Grey
Type of control element			Long turning handle
Interlockable			Yes
Type of electrical connection of main circuit			Screw connection
Degree of protection (IP), front side			IP20

Additional product information (links)

IL008021ZU Switch disconnector DDC, DC-Switch (Box 1)

IL008021ZU Switch disconnector DDC, DC-Switch (Box 1)	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL008022ZU2015_12.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

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