DATASHEET - P-SOL30



Switch-disconnector, DC current, 25A

P-SOL30 120935

EL Number 4300314

(Norway)

Part no.



General specifications	
Product name	Eaton Moeller® series P-SOL Switch-disconnector
Part no.	P-SOL30
EAN	4015081187652
Product Length/Depth	93 millimetre
Product height	76 millimetre
Product width	58 millimetre
Product weight	0.285 kilogram
Certifications	IEC60439-1 TÜV-certified IEC/EN 60947-3 CSA CSA Class No.: 3211-05 CSA-C22.2 No. 14-10 UL Recognized UL Category Control No.: NRNT2 UL File No.: E338590 UL 508 CSA File No.: 165628 CE
Product Tradename	P-SOL
Product Type	Switch-disconnector
Product Sub Type	None
Features & Functions	
Actuator color	Black
Actuator type	Turn button
Design	Open
Features	Isolating characteristics
Fitted with:	Voltage release optional
Number of poles	Two-pole
General information	
Degree of protection	NEMA Other
Degree of protection (front side)	IP20
Lifespan, electrical	1,500 Operations
Lifespan, mechanical	100,000 Operations
Mounting method	Top-hat rail fixing (according to IEC/EN 60715, 35 mm)
Mounting position	As required
Operating frequency	120 Operations/h
Protection class	2
Suitable for	SCCR: 10 kA (600 V DC, 70 A max. fuse), (UL/CSA) Distribution board installation Ground mounting Intermediate mounting
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	60 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Terminal capacities	
Terminal capacity	18 - 14 AWG, solid or stranded 1 x (1 - 6) mm², flexible with ferrule to DIN 46228 2 x (1 - 6) mm², flexible with ferrule to DIN 46228
Electrical rating	
Rated operational current (le) at DC-21A	26 A

observed.	Rated operational power at AC-23A, 400 V, 50 Hz	0 kW
Resistance 5 m0 (internal) Retad conditional short-circuit current (lq) Retad short-circuit current (lq) Retad short-circuit making capacity (tcn) Retad short-circuit making capacity (tcn) Retad short-circuit making capacity (tcn) Retad short-time withstand current (lcv) Contacts Number of auxiliary contacts (change-over cantacts) Number of auxiliary contacts (change-over cantacts) Number of auxiliary contacts (cormully closed consects) Design verification Equipment heat dissipation capacity Pdiss OW Heat dissipation capacity Pdiss OW Retad despeation capacity Pdiss OW Retad despeation current opendent Pwid Retad operational current for specified heat dissipation (ln) Stance had despeation, mo-current-dependent Pwid Retad operational current for specified heat dissipation (ln) Stance had despeation, mo-current-dependent Pwid Retad operational current for specified heat dissipation (ln) Stance had despeation, mo-current-dependent Pwid Retad operational current for specified heat dissipation (ln) Stance had despeation, mo-current-dependent Pwid Retad operational current for specified heat dissipation (ln) Stance had despeation, mo-current-dependent Pwid Retad operational current for specified heat dissipation (ln) Stance had despeation, mo-current-dependent Pwid Retad operational current for specified heat dissipation (ln) Stance had despeation, mo-current-dependent Pwid Retad operational distinct on desidence of insulating materials to normal heat Retad on the product standard's requirements. Meets the product standard's requirements. 102.32 Principlons Retad on designate of insulating materials to normal heat Retad on the product standard's requirements. Retad the product standard's requirements. Does not apply, since the entire switchgaar needs to be evaluated. Retad the product standard's requirements. Does not apply, since the entire switchgaar needs to be evaluated. 10.2 Principlons Retad described circuits and connections Retad to be contacted to be evaluated. Retad the panel builder's resp	Rated operational power at AC-3, 380/400 V, 50 Hz	0 kW
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10.2.3.3 Resist of insul. mat. to abnormal heat/fire by internal elect. effects 10.2.4 Resistance to ultra-violet (UV) radiation 10.2.5 Lifting 10.2.6 Mechanical impact 10.2.7 Inscriptions 10.3 Degree of protection of assemblies 10.4 Clearances and creepage distances 10.5 Protection against electric shock 10.6 Incorporation of switching devices and components 10.7 Internal electrical circuits and connections 10.8 Connections for external conductors 10.9 Power-frequency electric strength 10.9.3 Impulse withstand voltage 10.9.4 Testing of enclosures made of insulating material 10.10 Temperature rise 10.11 Short-circuit rating 10.12 Electromagnetic compatibility 10.13 Mechanical function Meets the product standard's requirements. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. Does not apply, since the entire switchgear needs to be evaluated. In the panel builder's responsibility. In the panel builder's responsibility. The specifications for the switchgear must be observed. In the panel builder's responsibility. The specifications for the switchgear must be observed. In the device meets the requirements, provided the information in the instruction.	10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
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	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
	10.13 Mechanical function	· · · · · ·

Technical data ETIM 9.0

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

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnector (ecl@ss13-27-37-14-03 [AKF060018])

Version as main switch Version as maintenance-/service switch Version as safety switch No	
Version as safety switch	
No. Colon do Salety Striken	
Version as emergency stop installation No	
Version as reversing switch No	
Number of switches 1	
Max. rated operation voltage Ue AC V	
Rated operating voltage V 690 - 690	
Rated permanent current lu A 30	

Rated permanent current at AC-23, 400 V	Α	0
Rated permanent current at AC-21, 400 V	Α	0
Rated operation power at AC-3, 400 V	kW	0
Rated short-time withstand current lcw	kA	0.36
Rated operation power at AC-23, 400 V	kW	0
Switching power at 400 V	kW	30
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		Yes
Device construction		Built-in device fixed built-in technique
Suitable for floor mounting		Yes
Suitable for front mounting 4-hole		No
Suitable for front mounting centre		No
Suitable for distribution board installation		Yes
Suitable for intermediate mounting		Yes
Colour control element		Black
Type of control element		Turn button
Interlockable		No
Type of electrical connection of main circuit		Clamp bracket
With pre-assembled cabling		No
Degree of protection (IP), front side		IP20
Degree of protection (NEMA)		Other
Width	mm	58
Height	mm	76
Depth	mm	93
Width in number of modular spacings		