On-Off switch, P5, 125 A, flush mounting, 3 pole, with black thumb grip and front plate $\,$



Part no. P5-125/E 280897

Product name	Eaton Moeller® series P5 On-Off switch
Part no.	P5-125/E
EAN	4015082808976
	90 millimetre
Product Length/Depth	
Product height	140 millimetre
Product width	100 millimetre
Product weight	1.128 kilogram
Compliances	CE Marked
Certifications	UL 508 IEC 60947 EN 60947-3 CSA Std. C22.2 No. 14-05 VDE IEC/EN 60947 VDE 0660 CSA-C22.2 No. 94 UL File No.: E36332 CSA Class No.: 3211-05 IEC/EN 60204 CSA UL Category Control No.: NLRV CE CSA-C22.2 No. 14-05 IEC/EN 60947-3 UL CSA File No.: 223805
Product Tradename	P5
Product Type	On-Off switch
Product Type Product Sub Type	None
Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
eatures & Functions	nated Short-time Whatstand Current (ICW) for a time of 1 Second
Fitted with:	Black thumb grip and front plate
Number of poles	3
eneral information	
Accessories	Auxiliary contact or neutral conductor fitted by user.
Degree of protection	NEMA 12
Degree of protection (front side)	IP65
Lifespan, mechanical	100,000 Operations
Mounting method	Flush mounting
Mounting position	As required
Operating frequency	50 Operations/h
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	8000 V AC
Safe isolation	440 V AC, Between the contacts, According to EN 61140
Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Suitable for	Front mounting 4-hole Branch circuits, suitable as motor disconnect, (UL/CSA)
limatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	50 °C
Ambient operating temperature (enclosed) - min	-25 °C
Ambient operating temperature (enclosed) - max	40 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30

Terminal capacities	
Terminal capacity	2 x 35 mm², solid or stranded 2/0 AWG, flexible 1 x 70 mm², flexible with ferrules to DIN 46228 3/0 AWG, solid or flexible conductor with ferrule 2 x 25 mm², flexible with ferrules to DIN 46228 1 x 95 mm², solid or stranded 2 x 13 x 1.5 mm Number of segments x width x thickness, copper strip 1 x 13 x 3 mm Number of segments x width x thickness, copper strip
Screw size	5 mm AF, Hexagon socket-head spanner, Terminal screw
Tightening torque	14 Nm, Screw terminals 125 lb-in, Screw terminals
Electrical rating	
Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	800 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	750 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	650 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	340 A
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	72 A
Rated operational current (Ie) at AC-3, 380 V, 400 V, 415 V	66 A
Rated operational current (Ie) at AC-3, 500 V	58 A
Rated operational current (Ie) at AC-3, 660 V, 690 V	32 A
Rated operational current (le) at AC-21, 440 V	125 A
Rated operational current (le) at AC-23A, 230 V	96 A
Rated operational current (le) at AC-23A, 400 V, 415 V	80 A
Rated operational current (Ie) at AC-23A, 500 V	78 A
Rated operational current (Ie) at AC-23A, 690 V	39 A
Rated operational current (Ie) at DC-1, load-break switches I/r = 1 ms	125 A
Rated operational current (Ie) at DC-23A, 24 V	125 A
Rated operational current (Ie) at DC-23A, 48 V	125 A
Rated operational current (Ie) at DC-23A, 60 V	125 A
Rated operational current (le) at DC-23A, 120 V	40 A
Rated operational power at AC-3, 380/400 V, 50 Hz	37 kW
Rated operational power at AC-3, 415 V, 50 Hz	37 kW
Rated operational power at AC-3, 500 V, 50 Hz	45 kW
Rated operational power at AC-3, 690 V, 50 Hz	30 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	30 kW
Rated operational power at AC-23A, 400 V, 50 Hz	45 kW
Rated operational power at AC-23A, 500 V, 50 Hz	55 kW
Rated operational power at AC-23A, 690 V, 50 Hz	37 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	125 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Rated conditional short-circuit current (Iq)	30 kA
Rated short-time withstand current (Icw)	2.5 kA 2,5 kA, Contacts, 1 second
Short-circuit current rating (basic rating)	10 kA, SCCR (UL/CSA) 350A Class RK1, max. Fuse, SCCR (UL/CSA)
Short-circuit current rating (high fault)	300 A, Class J, max. Fuse, SCCR (UL/CSA) 65 kA, SCCR (UL/CSA)
Short-circuit protection rating	125 A gG/gL, Fuse, Contacts
Switching capacity	
Load rating	1.3 x l# (with intermittent operation class 12, 60 % duty factor) 2 x l# (with intermittent operation class 12, 25 % duty factor) 1.6 x l# (with intermittent operation class 12, 40 % duty factor)
Number of contacts in series at DC-23A, 24 V	3
Number of contacts in series at DC-23A, 48 V	3
Number of contacts in series at DC-23A, 60 V	3
Number of contacts in series at DC-23A, 120 V	3

Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) Actuator Actuator Actuator Black Equipment heat dissipation, current-dependent Pvid Heat dissipation capacity Pdiss Beagin verification Equipment heat dissipation, current-dependent Pvid Heat dissipation per pole, current-dependent Pvid Actuator Transport Black Black Rated operational current for specified heat dissipation (In) 125 A Static heart dissipation, non-current-dependent Pvid Meats the product standard's requirements. 102.32 Vorification of mbranel stability of enclosures 102.33 Vorification of mbranel stability of enclosures 102.33 Position of mbranel stability of enclosures 102.33 Position of mbranel stability of enclosures 102.34 Resistance to ultra-violet (IVV) radiation 102.54 Urris action of more allowed the product standard's requirements. 102.54 Urris action of more allowed the product standard's requirements. 102.54 Urris action of sexistance of insulating materials to normal heat 102.55 Urris Deposition of more allowed the product standard's requirements. 102.56 Mechanical impact 102.66 Mechanical impact 102.76 Mechanical impact 103.75 Interciptions Meats the product standard's requirements. 103.75 Deposition of activiting devices and components 103.75 Deposition of activiting devices and components 103.75 Protection against electric shock 104.75 Interciptions 105.75 Protection of assemblies 105.75 Protection of asse	Switching capacity (main contacts, general use)	150 A, Rated uninterrupted current max. (UL/CSA)
Roted making capacity up to 680 V (sar pile to ECEN 6891-3) Voltage per contact pair in series Assigned motor power at 119/120 V, 69 Hz, 1-phase Assigned motor power at 119/120 V, 69 Hz, 1-phase Assigned motor power at 2018/20 V, 69 Hz, 1-phase Assigned motor power at 2018/20 V, 60 Hz, 1-phase Assigned motor power at 2018/20 V, 60 Hz, 1-phase Assigned motor power at 2018/20 V, 60 Hz, 1-phase Assigned motor power at 2018/20 V, 60 Hz, 3-phase Assigned motor power at 4018/20 V, 60 Hz, 3-phase	Switching capacity (auxiliary contacts, general use)	10A, IU, (UL/CSA)
Walter retails ***Assigned more power at 15(730 V.60 Hz. 1-phase	Switching capacity (auxiliary contacts, pilot duty)	A600 (UL/CSA)
Assigned motor power at 115/129 V, 60 Hz, 1-tahase Assigned motor power at 115/129 V, 60 Hz, 1-tahase Assigned motor power at 115/129 V, 60 Hz, 1-tahase Assigned motor power at 232/26 V, 60 Hz, 1-tahase Assigned motor power at 232/26 V, 60 Hz, 1-tahase Assigned motor power at 432/26 V, 60 Hz, 3-tahase Assigned motor power at 432/26 V, 60 Hz, 3-tahase Assigned motor power at 437/26 V, 60 Hz, 3-tahase Assigned motor power at 437/26 V, 60 Hz, 3-thase Assigned motor power at 437/26 V, 60 Hz, 3-thase Assigned motor power at 437/26 V, 60 Hz, 3-thase Assigned motor power at 437/26 V, 60 Hz, 3-thase Assigned motor power at 437/260 V, 60 Hz, 3-thase Assigned motor power at 447/260 V, 60 Hz, 3-thase Assigned motor power at 447/260 V, 60 Hz, 3-thase Assigned motor power at 447/260 V, 60 Hz, 3-thase Assigned motor power at 447/260 V, 60 Hz, 3-thase Assigned motor power at 447/260 V, 60 Hz, 3-thase Assigned motor power at 447/260 V, 60 Hz, 3-thase Assigned motor power at 447/260 V, 60 Hz, 3-tha	Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	850 A
Assigned motor grown at 115/120 V.60 McJ. phase Assigned motor grown at 115/120 V.60 McJ. phase Assigned motor grown at 200/240 V.60 McJ. phase Assigned motor grown at 575/800 V.60 McJ. phase Assigned motor grown at 1518 V.60 McJ. pha	Voltage per contact pair in series	42 V
Assigned motor power at 115/120 K, 60 Hz, 3-phase Assigned motor power at 2020 W, 60 Hz, 1-phase Assigned motor power at 2020 W, 60 Hz, 1-phase Assigned motor power at 2020 W, 60 Hz, 1-phase Assigned motor power at 2020 W, 60 Hz, 1-phase Assigned motor power at 4040 W, 60 Hz, 3-phase On HP Assigned motor power at 575 W, 60 Hz, 3	Motor rating	
Assigned motor power at 2007-80 V, 60 Hz, 1-phase Assigned motor power at 2007-80 V, 60 Hz, 1-phase Assigned motor power at 2007-80 V, 60 Hz, 3-phase Assigned motor power at 4004-80 V, 60 Hz, 3-phase Assigned motor power at 4004-80 V, 60 Hz, 3-phase Assigned motor power at 4004-80 V, 60 Hz, 3-phase BD HP Assigned motor power at 4004-80 V, 60 Hz, 3-phase BD HP Control circuit reliability I failure per 100,000 ewitching operations statistically determined, at 24 V D mb/ mb/ Number of auxiliary contacts (change-over contacts) Unable	Assigned motor power at 115/120 V, 60 Hz, 1-phase	7.5 HP
Assigned motor power at 230/240 V, 60 Pt., 3-phase Assigned motor power at 250/240 V, 60 Pt., 3-phase Assigned motor power at 460/480 V, 60 Pt., 3-phase Assigned motor power at 550/800 V, 60 Pt., 3-phase Assigned motor power at 550/800 V, 60 Pt., 3-phase Assigned motor power at 550/800 V, 60 Pt., 3-phase Control Citic trisiability Control Cit	Assigned motor power at 115/120 V, 60 Hz, 3-phase	15 HP
Assigned motor power at 400-805 V, 60 Hz, 3-phase	Assigned motor power at 230/240 V, 60 Hz, 1-phase	20 HP
Assigned motor power at 90/480 V, 50 Hz, 3-phase Assigned motor power at 97/4800 V, 50 Hz, 3-phase Contracts Control circuit delability Number of auxiliary contacts (change-over contacts)	Assigned motor power at 230/240 V, 60 Hz, 3-phase	30 HP
Assigned motor power at \$75,950 V, 80 Hz, 3-phase Contracts Control circuit reliability Number of auxiliary contracts (change-over contacts) Number of auxiliary contracts (change-over contacts) Number of auxiliary contracts (normally closed contacts) Number of auxiliary contracts (normally open contacts) Cottactor Actuator color Actuator color Actuator type Seign verification Equipment heat dissipation, current-dependent Pvid Heat dissipation, current-dependent Pvid Heat dissipation capacity Pvids Heat dissipation according to the service of the service o	Assigned motor power at 277 V, 60 Hz, 1-phase	20 HP
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	10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must lobserved.
	10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 8.0

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]) No Version as main switch 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 ٧ 690 Rated operating voltage 690 - 690 125 Rated permanent current lu Α Rated permanent current at AC-23, 400 V 125 Α Rated permanent current at AC-21, 400 V 125 Α kW Rated operation power at AC-3, 400 V 37 Rated short-time withstand current lcw kΑ 2.5 Rated operation power at AC-23, 400 V kW 45 Switching power at 400 V kW 45 Conditioned rated short-circuit current Iq kΑ 30 Number of poles 3 Number of auxiliary contacts as normally closed contact n Number of auxiliary contacts as normally open contact n 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 floor mounting No Suitable for front mounting 4-hole Yes Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting No Colour control element Black Type of control element Short thumb-grip Interlockable No Type of electrical connection of main circuit Frame clamp Degree of protection (IP), front side IP65

12

Degree of protection (NEMA)