Main switch, 16 A, surface mounting, 3 pole + N, STOP function, With black rotary handle and locking ring, Lockable in the 0 (Off) position



Part no. J16/B/N 199730

Portect name Part no. 116/00/1 EAN 25795051598 Product langin/Doph Product langin/Doph Product langin/Doph Product langin/Doph Product stain Product windth Certifications		
Product Legith/Depth	Product name	Eaton J-Range enclosed switch-disconnector
Product Length/Depth Product Weight Product Weight Product Weight Product Weight Confiderations	Part no.	J16/B/N
Product weight Product width P	EAN	5027590551984
Product width Product wight Confinitions Con	Product Length/Depth	115 millimetre
Product weight Continentions C	Product height	180 millimetre
Cyrifications IECPT NORMETS Product Tradename J-Range Product Tayley None Catalog Notes Rated Short-dissometor Peaduct Stall Type None Catalog Notes Rated Short-dissometor-Jesovice swalch Features Version as maintenance-Jesovice swalch Finations Peath-through cable entry disphragm Finations Peath-through cable entry disphragm Functions Inspectable Functions Peath-through cable entry disphragm Functions Inspectable Functions Inspectable Cocking facility Lexisted in the Orli position Locking facility Lexisted Degree of protection NEMA 12 Degree of protection (front sade) Peas Lifespan, mechanical Surface mounting Mounting peation Surface mounting Mounting peation 120 Operationsh Operations frequency 11 Product Category Main swylch Rated short-disped with an overlage Ullmpi 6000 V AC Sate solutio	Product width	100 millimetre
ECCEN MODAY Product Trademane	Product weight Product weight	0.447 kilogram
Product Type Product Sub Type Catalog Notes	Certifications	IEC/EN 60947 VDE 0660
Product Sub Type Estalog Notes Festures Fes	Product Tradename	J-Range
Catalog Notes Retail Short-time Withstand Current (low) for a time of 1 second Features Version as maintenance-/service switch Fitted with: Residence of the properties of protection Interlockable of the properties of the properties of the properties of protection NEMA 12 Degree of protection NEMA 12 Interlockable of protection (front side) Interlockable of the properties of protection (front side) Interlockable of the properties of the properties of protection (front side) NEMA 12 Degree of protection NEMA 12 Interlockable of the properties of the properties of protection (front side) Interlockable of the properties of protection (front side) Interlockable of the properties of t	Product Type	Enclosed switch-disconnector
Features Features Version as maintenance-/service switch Version as maintenance-/service switch Version as maintenance-/service switch Version as maintenance-/service switch Version as maint switch Filted with: Filted with	Product Sub Type	None
Fitted with:	Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second
Fitted with:		
Functions Functions Locking facility Number of poles Degree of protection Bushammer of poles Degree of protection (front side) Degree of protection (Version as main switch
Locking facility Lockable in the 0 (Off) position Number of poles Lockable in the 0 (Off) position Degree of protection NEMA 12 Degree of protection (front side) 1P65 Lifespan, mechanical Surface mounting Mounting method Surface mounting Mounting position 1200 Operations/h Overollage category 1200 Operations/h Pollution degree 3 Product Category Main switch Rated inpulse withstand voltage (Uimp) 6000 V AC Safe isolation 440 V AC, Between the contacts, According to EN 61140 Shefty parametr (EN ISO 13849-1) 1B10 g, Mechanical, According to EC/EN 60084-27, Half-sinusoidal shock 20 ms Suitable for 25°C Ambient operating temperature (enclosed) - min -25°C Ambient operating temperature (enclosed) - max 0°C Climatic proofing Damph heat, constant, to IEC 60088-2-27, Half-sinusoidal shock 20 ms Turminal capacity Name to stranded Screw size HAL (1-4) mm², flexible with ferrules to DIN 46228 2x (1-4) mm², flexible with ferrules to DIN 46228 2x (1-4) mm², flexible with ferrules to DIN 46228 2x (1-4) mm², flexible with ferrules to DIN 46228 2x (1-4) mm², flexible with ferrules to DIN 46228 2x (1-4) mm², flexible w	Fitted with:	Black rotary handle and locking ring
Number of poles Degree of protection Degree of protection Degree of protection (front side) Degree of prote	Functions	
Degree of protection Degree of protection (front side) Lifespan, mechanical Mounting method Mounting method Mounting position Mounting position Operating frequency Operating frequency Degree at segory Product Category Rated impulse withstand voltage (Uimp) Safety parameter (EN ISO 13849-1) Shock resistance Suitable for Ambient operating temperature (enclosed) - mix Ambient operating temperature (enclosed) - mix Cimatic proofing Erriminal capacity Screw size Mult 1 NEMA 12 NEMA 12 NEMA 12 NEMA 12 NOUND A 1965 Surface mounting As required As required As required Assignments (Pall So 1844-1) Ambient operating temperature (enclosed) - mix Ambient operating temperature (Locking facility	Lockable in the 0 (Off) position
Degree of protection (front side) Lifespan, mechanical Mounting method Mounting position Mounting position Operating frequency Operating frequency Overobtage category III Pollution degree Mounting us withstand voltage (Uimp) Safe is solation Safe is solation Shock resistance Suitable for Suitable for Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient operating temperature (enclosed) - max Climatic proofing Terminal capacity Srew size Wan (15 - 10) mm², solid or stranded 1 x (1 - 10) mm², solid or stranded 2 x (1 - 10) mm², solid or stranded 3 x (1 - 10) mm², solid or stranded 1 x (1 - 10) mm², soli	Number of poles	Three-pole
Degree of protection (front side) Lifespan, mechanical Mounting method Mounting position Mounting position Operating frequency Operating frequency Overobtage category III Pollution degree Mounting us withstand voltage (Uimp) Safe is solation Safe is solation Shock resistance Suitable for Suitable for Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient operating temperature (enclosed) - max Climatic proofing Terminal capacity Srew size Wan (15 - 10) mm², solid or stranded 1 x (1 - 10) mm², solid or stranded 2 x (1 - 10) mm², solid or stranded 3 x (1 - 10) mm², solid or stranded 1 x (1 - 10) mm², soli		
Lilespan, mechanical Mounting method Mounting position Mounting position Departing frequency Operating frequency Overvoltage category Pollution degree Rated impulse withstand voltage (Uimp) Safe isolation Safe isolation Safe isolation Shock resistance Shock resistance Suitable for Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Terminal capacity Terminal capacity Srew size May Terminal screw May required Are required Are quired As required As require	Degree of protection	NEMA 12
Mounting method Surface mounting Mounting position As required Operating frequency 1200 Operations/h Overvoltage category III Pollution degree 3 Product Category Main switch Rated impulse withstand voltage (Uimp) 5000 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 Shock resistance 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Suitable for Ground mounting Ambient operating temperature (enclosed) - min -25 °C Ambient operating temperature (enclosed) - max 40 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Terminal capacity 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded Screw size M4, Terminal screw	Degree of protection (front side)	IP65
Mounting position Operating frequency 1200 Operations/h Overvoltage category III Pollution degree 3 Product Category Rated impulse withstand voltage (Uimp) Safe isolation Safe isolation Safety parameter (EN ISO 13849-1) Shock resistance Suitable for Suitable for Suitable for Suitable for Suitable for Suitable for Suitable operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Climatic proofing Terminal capacity Terminal capacity Screw size As required 1200 Operations/h Main switch 1200 OV AC 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between the contacts, According to EN 61140 5000 V AC 5140 V AC, Between the contacts, According to EN 61140 5150 V AC, Between the contacts, According to EN 61140 5160 V AC, Between the contacts, According to EN 61140 5160 V AC 5	Lifespan, mechanical	300,000 Operations
Operating frequency 1200 Operations/h Overvoltage category III Pollution degree 3 Product Category Main switch Rated impulse withstand voltage (Uimp) 6000 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 Shock resistance 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Suitable for Ground mounting Ambient operating temperature (enclosed) - min -25 °C Ambient operating temperature (enclosed) - max 40 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Terminal capacity 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded Screw size M4, Terminal screw	Mounting method	Surface mounting
Dervoltage category Pollution degree 3 Product Category Main switch 6000 V AC Safe isolation Safety parameter (EN ISO 13849-1) Shock resistance Suitable for Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Ambient operating temperature (enclosed) - max Terminal capacity Terminal capacity Screw size III Main switch 6000 V AC 440 V AC, Between the contacts, According to EN 61140 8100 values as per EN ISO 13849-1, table C.1 8100 values as per EN ISO 13849-1 8100 values as per EN ISO 13849-1 8100 values as p	Mounting position	As required
Pollution degree 3 Product Category Main switch Rated impulse withstand voltage (Uimp) 6000 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 Shock resistance 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Suitable for Ground mounting Ambient operating temperature (enclosed) - min - 25 °C Ambient operating temperature (enclosed) - max 40 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Terminal capacity 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 6) mm², solid or stranded Screw size M4, Terminal screw	Operating frequency	1200 Operations/h
Product Category Rated impulse withstand voltage (Uimp) Safe isolation Safety parameter (EN ISO 13849-1) Shock resistance Suitable for Ambient operating temperature (enclosed) - mix Climatic proofing Terminal capacity Terminal capacity Screw size Main switch 6000 V AC 440 V AC, Between the contacts, According to EN 61140 440 V AC, Between the contacts, According to EN 61140 510 V Alues as per EN ISO 13849-1, table C.1 510 Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms 610 Ground mounting 610 C 610 C 610 C 610 Alues as per EN ISO 13849-1, table C.1 610 V AL 610 V AC 610 V AC 610 V AC 610 V AC, Between the contacts, According to EN 61140 610 V AL 610 V AL 610 V AC 610	Overvoltage category	III
Rated impulse withstand voltage (Uimp) Safe isolation Safe isolation Safety parameter (EN ISO 13849-1) Shock resistance Suitable for Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Climatic proofing Terminal capacity Terminal capacity Scew size 6000 V AC 8000 V AC, Between the contacts, According to EN 61140 440 V AC, Between the contacts, According to EN 61140 8100 values as per EN ISO 13849-1, table C.1 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Ground mounting 670 C 67	Pollution degree	3
Safe isolation Safety parameter (EN ISO 13849-1) Shock resistance Suitable for Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Climatic proofing Terminal capacity Terminal capacity Screw size A40 V AC, Between the contacts, According to EN 61140 B10d values as per EN ISO 13849-1, table C.1 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Ground mounting 40 °C Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Terminal capacity 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 5) mm², solid or stranded M4, Terminal screw	Product Category	Main switch
Safety parameter (EN ISO 13849-1) Shock resistance Suitable for Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Climatic proofing Terminal capacity Terminal capacity Screw size B10d values as per EN ISO 13849-1, table C.1 B10d values as per EN ISO 13849-1, table C.1 15 g, Mechanical, According to IEC/EN 60068-2-77, Half-sinusoidal shock 20 ms Ground mounting -25 °C 40 °C Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Tx (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded M4, Terminal screw	Rated impulse withstand voltage (Uimp)	6000 V AC
Shock resistance Suitable for Ground mounting Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Climatic proofing Terminal capacity Terminal capacity Screw size 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Found mounting -25 ° C 40 ° C Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded Screw size M4, Terminal screw M4, Terminal screw	Safe isolation	440 V AC, Between the contacts, According to EN 61140
Suitable for Ground mounting Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Terminal capacity 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded 8 x (1.5 - 6) mm², solid or stranded 1 x (1.5 - 6) mm², solid or stranded 2 x (1.5 - 6) mm², solid or stranded 3 x (1.5 - 6) mm², solid or stranded 4 x (1.5 - 6) mm², solid or stranded	Safety parameter (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Climatic proofing Terminal capacity Screw size Ambient operating temperature (enclosed) - max -25 °C 40 °C Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded M4, Terminal screw M4, Terminal screw	Shock resistance	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
Ambient operating temperature (enclosed) - max 40 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Terminal capacity 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded M4, Terminal screw	Suitable for	Ground mounting
Ambient operating temperature (enclosed) - max 40 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Terminal capacity 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded M4, Terminal screw		
Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Terminal capacity 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded Screw size M4, Terminal screw	Ambient operating temperature (enclosed) - min	-25 °C
Damp heat, cyclic, to IEC 60068-2-30 Terminal capacity 1 x (1.5 - 10) mm², solid or stranded 1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded Screw size M4, Terminal screw	Ambient operating temperature (enclosed) - max	40 °C
1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded Screw size M4, Terminal screw	Climatic proofing	
·		1 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1 - 4) mm², flexible with ferrules to DIN 46228 2 x (1.5 - 6) mm², solid or stranded

Rated breaking capacity at 220/230 V (cos phi to IEC 60947-3)	260 A
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	300 A
Rated breaking capacity at 500 V (cos phi to IEC 60947-3)	290 A
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	250 A
Rated operational current (le) at AC-21, 440 V	16 A
Rated operational current (le) at DC-1, load-break switches l/r = 1 ms	16 A
Rated operational power at AC-3, 380/400 V, 50 Hz	0 kW
Rated operational power at AC-23A, 400 V, 50 Hz	7 kW
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	16 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Omnoração darione	naced difficent appear out on the to opening to the maximum of the control of the
Rated conditional short-circuit current (Iq)	80 kA
Rated short-time withstand current (Icw)	640 A, Contacts, 1 second
	0.64 kA
Short-circuit protection rating	50 A gG/gL, Fuse, Contacts
Rated making capacity up to 690 V (cos phi to IEC/EN 60947-3)	320 A
Voltage per contact pair in series	60 V
Number of auxiliary contacts (change-over contacts)	0
Number of auxiliary contacts (normally closed contacts)	0
Number of auxiliary contacts (normally open contacts)	0
Actuator color	Black
Actuator type	Door coupling rotary drive
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
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.
10.9.2 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 switchgear must be observed.
10.11 Short-circuit rating 10.12 Electromagnetic compatibility	

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])

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
Number of switches		1
Max. rated operation voltage Ue AC	V	690
Rated operating voltage	V	415 - 690
Rated permanent current lu	А	16
Rated permanent current at AC-23, 400 V	А	
Rated permanent current at AC-21, 400 V	А	16
Rated operation power at AC-3, 400 V	kW	0
Rated short-time withstand current lcw	kA	0.64
Rated operation power at AC-23, 400 V	kW	7
Switching power at 400 V	kW	
Conditioned rated short-circuit current Iq	kA	80
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		Complete device in housing
Suitable for floor 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		No
Colour control element		Black
Type of control element		Door coupling rotary drive
Interlockable		Yes
Type of electrical connection of main circuit		Screw connection
Degree of protection (IP), front side		IP65
Degree of protection (NEMA)		12