Switch-disconnector 4p 250A terminals

Part no. N2-4-250-BT

118885

EL Number 4358929

(Norway)



General specifications	
Product name	Eaton Moeller series NZM switch-disconnector
Part no.	N2-4-250-BT
EAN	4015081170258
Product Length/Depth	142 millimetre
Product height	185 millimetre
Product width	140 millimetre
Product weight	3.05 kilogram
Compliances	RoHS conform
Certifications	IEC/EN 60947 IEC
Product Tradename	NZM
Product Type	Switch-disconnector
Product Sub Type	None
Delivery program	
Application	Use in unearthed supply systems at 690 V
Туре	Switch-disconnector
Circuit breaker frame type	N2
Number of poles	Four-pole
Amperage Rating	250 A
Features	Version as main switch Version as maintenance-/service switch Motor drive optional Version as emergency stop installation
Special features	Main switch characteristics including positive drive to IEC/EN 60204 and VDE 0113 Isolating characteristics to IEC/EN 60947-3 and VDE 0660. Busbar tag shroud to VDE 0160 Part 100. Rated current = rated uninterrupted current: 250 A The rated short-time withstand current for PN2/N2 in conjunction with earth-fault release NZM2-4-XFIIcw = 1.5 kA
Technical Data - Electrical	
Voltage rating	690 V - 690 V
Rated operating voltage (Ue) at AC - max	690 V
Rated insulation voltage (Ui)	690 V
Rated impulse withstand voltage (Uimp) at auxiliary contacts	6000 V
Rated impulse withstand voltage (Uimp) at main contacts	8000 V
Rated conditional short-circuit current (Iq)	0 kA
Rated operational current	250 A (415 V AC-22/23A, making and breaking capacity) 250 A (690 V AC-22/23A, making and breaking capacity)
Rated permanent current at AC-21, 400 V	0 A
Rated permanent current at AC-23, 400 V	0 A
Rated conditional short-circuit current with back-up fuse	80 kA at 690 V 100 kA at 400/415 V PN2(N2)-160250: 250 AgGgL
Rated conditional short-circuit current with downstream fuse	PN2(N2)-160250: 250 AgGgL 80 kA at 690 V 100 kA at 400/415 V
Rated short-time withstand current (Icw)	3.5 kA
Rated short-time withstand current (t = 0.3 s)	3.5 kA
Rated short-time withstand current (t = 1 s)	3.5 kA
Rated operating frequency	50 Hz
Rated short-circuit making capacity Icm at 690 V, 50/60 Hz	5.5 kA
Rated operating power at AC-3, 400 V	0 kW

Lifespan, mechanical Technical Data - Mechanical - Terminals Standard terminals Optional terminals Optional terminals Terminal capacity (aluminum solid conductor/cable) Terminal capacity (aluminum stranded conductor/cable) Terminal capacity (aluminum stranded conductor/cable) Terminal capacity (copper busbar) Terminal capacity (copper solid conductor/cable) Terminal capacity (copper stranded conductor/cable) Ze mm² - 18 mm² (1x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) at tox terminal 25 mm²	Rated operating power at AC-23, 400 V	132 kW
Bestical casasestian type of main circuit Muster of operations per hour - max 120	Switching power at 400 V	0 kW
Institution State	Short-circuit protective device fuses - max	250 A gL
Marbote of operations por hour - max 120 1	Electrical connection type of main circuit	Frame clamp
Recker foreit Deventing estapory III	Isolation	
Overwithings category Pullation degree 3 3 Ullespan, decriced BBX operations at 600 V AC-3 600 certations (PL frame at 600 certations) 600 certations (PL frame at 6	Number of operations per hour - max	120
Foundation degree 3 1 1 1 1 1 1 1 1 1	Handle type	Rocker lever
Litespan, shectrical This procession is a 18 by A.C. 3 \$100 operation a 4 Bby A.C. 3 \$100 operation a 4 Bby A.C. 3 \$100 operation a 4 Bby A.C. 1 \$1	Overvoltage category	III
BB00 operation at 61V AC-3 700 operation at 60V AC-3 700 operation at	Pollution degree	3
Technical Data - Mechanical Mounting Method Brown mounting Intermediate mounting Built in device fleed built in the continue Built in device fleed built	Lifespan, electrical	6000 operations at 415 V AC-3 7500 operations at 400 V AC-1 7500 operations at 415 V AC-1 5000 operations at 690 V AC-1
Mounting Method Biground mounting Intermediate content fault-in technique Disprise of protection Degree of protection (PI, front side Pages of protection (IPI, front side Pages of protection spaints direct contact Pages of protection spaints direct contact Pages of protection spaints direct contact Pages of successions of the pages of t	Direction of incoming supply	As required
Intermediate mounting Buil-in device sace buil-in technique Distribution board installation Degree of protection Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices) Pit (basis protection type), in the area of the HMI devices of the HMI	Technical Data - Mechanical	
Degree of protection (IPI, from side IPI0 (turned terminal) IPI0	Mounting Method	Intermediate mounting Built-in device fixed built-in technique Distribution board installation
P20	Degree of protection	Other
Ped Nivith insuluting surround) Ped gree of protection (terminations) Ped (terminations	Degree of protection (IP), front side	
Protection against direct contact Finger and back of-hand proof to DIN EN 50274/VDE DIOS part 110		
Number of auxiliary contacts (change-over contacts) 0 0 Number of auxiliary contacts (normally closed contacts) 0 0 Number of auxiliary contacts (normally closed contacts) 0 0 Number of auxiliary contacts (normally open contacts) 1 Handle color Black Switch positions 1, +, 0 Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp	Degree of protection (terminations)	· · ·
Number of auxiliary contacts (change-over contacts) Number of auxiliary contacts (normally closed contacts) Number of auxiliary contacts (normally open contacts) Number of auxiliary contacts (normally open contacts) Number of avxitches I 1 Handle color Switch positions Li +, 0 Climatic proofing Damp heat, containt, to IEC 60088-2-78 Damp heat, containt, to IEC 60088-2-78 Damp heat, cyclic, to IEC 6008-2-78 Damp heat, cyclic, to IEC 6008	Protection against direct contact	Finger and back-of-hand proof to DIN EN 50274/VDE 0106 part 110
Number of auxiliary contacts (normally closed contacts) Number of switches Hadid color Switch positions Climatic proofing Damp heat, constant, to IEC 80088-2-78 Damp heat, constant, to IEC 80088-2-78 Damp heat, constant, to IEC 80088-2-30 Special features Sp	Shock resistance	20 g (half-sinusoidal shock 20 ms)
Number of auxiliary contacts (normally open contacts) Number of switches Handle color Switch positions Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp heat, cycli	Number of auxiliary contacts (change-over contacts)	0
Number of switches 1 Handle color Black Switch positions 1,+,0 Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Special features Main switch characteristics including positive drive to IEC/EN 60204 and VDE 011 Isolating characteristics to IEC/EN 80394-73 and VDE 0600. Busbar tag shrow 100 E108 Part 100 VDE 0160 Part 100 VDE 0160 Rated current - rated uninterrupted current: 250 A The rated short VDE 0160 Part 100 VDE 0160 Part 100 VDE 0160 Rated current - For PAZ/NZ in conjunction with earth-fault release NZM2-4-XFI_Icw = 1.5 kA Etchnical Data - Mechanical - Terminals 20000 operations Standard terminals Box terminal Optional terminals Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (aluminum solid conductor/cable) 10 mm² - 16 mm² (2x) direct at switch rear-side connection Terminal capacity (copper busbar) 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal Terminal capacity (copper solid conductor/cable) 3 mm² - 18 mm² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 6 mm² - 18 mm² (2x) direct at switch rear-side connection Terminal capacity (copper stranded conductor/cable) 25 mm² - 10 mm² (2x) at box terminal 10 mm² - 16 mm² (2x) at box terminal 25 mm² - 10 mm² (2x) at box terminal	Number of auxiliary contacts (normally closed contacts)	0
Handle color Switch positions Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, constant, to IEC 60068-2-30 Main switch characteristics including positive drive to IEC/EN 60204 and VDE 011 Isolating characteristics to IEC/EVR 60947-3 and VDE 0660. Rated current = rated uninterrupted current 250 A The rated short VDE 0160 Part 100. Rated current = rated uninterrupted current 250 A The rated short VDE 0160 Part 100. Rated current = rated uninterrupted current 250 A The rated short VDE 0160 Part 100. Rated current = rated uninterrupted current 250 A The rated short VDE 0160 Part 100. Rated current = 1.5 kA Z0000 operations Technical Data - Mechanical - Terminals Standard terminals Optional terminals Optional terminals Terminal capacity (aluminum solid conductor/cable) Terminal capacity (aluminum solid conductor/cable) Terminal capacity (aluminum stranded conductor/cable) Terminal capacity (copper busbar) Max. 24 mm x 8 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection 10 mm - 16 mm x 10 mm or 10 mm	Number of auxiliary contacts (normally open contacts)	0
Switch positions Climatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78 Damp heat	Number of switches	1
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 Main switch characteristics including positive drive to IEC/EN 60204 and VDE 011 solating characteristics to IEC/EN 60947-3 and VDE 0660. Busbar tag shroud to VDE 0160 Part 100. Rated current reade uninterrupted current: 250 A The rated short-time withstand current for PN2/N2 in conjunction with earth-fault release NZMZ-4-XFIlcw = 1.5 kA 20000 operations Technical Data - Mechanical - Terminals Standard terminals Optional terminals Connection on rear, Screw terminal. Tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) Max 24 mm x 8 mm direct at switch rear-side connection Ma at rear-side screw connection Ma at rear-side screw connection Ma at rear-side screw connection Min 16 mm x 5 mm direct at switch rear-side connection 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 18 mm² (1x) at tunnel terminal 10 mm² - 18 mm² (1x) at tunnel terminal 10 mm² - 18 mm² (1x) at tunnel terminal 10 mm² - 18 mm² (1x) at tunnel terminal 10 mm² - 18 mm² (1x) at tunnel terminal 10 mm² - 18 mm² (1x) at tunnel terminal 10 mm² - 18 mm² (1x) at tunnel terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal 25 mm² - 185 mm² (1x) at tox terminal	Handle color	Black
Special features Main switch characteristics including positive drive to IEC/EN 60204 and VDE 011 Isolatures Bushar tag shroud to VDE 0160 Part 100. Rated current - rated uninterrupted current 250 A The rated short-time withstand current for PN2/N2 in conjunction with earth-fault release NZ/M2-4-XFLlcw = 1.5 kA Lifespan, mechanical Technical Data - Mechanical - Terminals Standard terminals Optional terminals Optional terminals Terminal capacity (aluminum solid conductor/cable) Terminal capacity (aluminum stranded conductor/cable) Terminal capacity (aluminum stranded conductor/cable) Terminal capacity (copper busbar) Max. 24 mm x 8 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 10 mm² - 16 mm² (1x) at the near-side connection Min. 16 mm² (1x) at the near-side connection S mm² - 16 mm² (1x) direct at switch rear-side connection S mm² - 16 mm² (1x) direct at switch rear-side connection S mm² - 18 mm² (1x) direct at switch rear-side connection 5 mm² - 18 mm² (1x) direct at switch rear-side connection 5 mm² - 18 mm² (1x) direct at switch rear-side connection 5 mm² - 18 mm² (1x) direct at switch rear-side connection 5 mm² - 18 mm² (1x) direct at switch rear-side connection 5 mm² - 185 mm² (1x) direct at switch rear-side connection 5 mm² - 185 mm² (1x) direct at switch rear-side connection 5 mm² - 185 mm² (1x) direct at switch rear-side connection 5 mm² - 185 mm² (1x) direct at switch rear-side connection 5 mm² - 185 mm² (1x) direct at switch rear-side conn	·	
Isolating characteristics to IEC/EN 60947-3 and VDE 0680. Busbar tag shrout to VDE 0160 Part 100. Rated current = rated uninterrupted current: 250 A The rated short-time withstand current for PNZ/N2 in conjunction with earth-fault release NZM2-4-KFLcw = 1.5 kA Lifespan, mechanical 20000 operations Technical Data - Mechanical - Terminals Standard terminals Optional terminals Optional terminals Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (aluminum solid conductor/cable) 10 mm² - 16 mm² (2x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal Terminal capacity (copper busbar) Max. 24 mm x 8 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M8 at rear-side screw connection M8 at rear-side screw connection 10 mm² - 16 mm² (1x) at tunnel terminal 17 mm² (1x) at tunnel terminal 18 mm² (1x) at tunnel terminal 19 mm² - 16 mm² (1x) direct at switch rear-side connection 10 mm² - 16 mm² (1x) direct at switch rear-side connection 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 10 mm² (1x) at tunnel terminal 10 mm² - 10 mm² (1x) at tunnel terminal 10 mm² - 10 mm² (1x) at tunnel terminal		
Standard terminals Box terminal		Isolating characteristics to IEC/EN 60947-3 and VDE 0660. Busbar tag shroud to VDE 0160 Part 100. Rated current = rated uninterrupted current: 250 A The rated short-time withstand current for PN2/N2 in conjunction with earth-fault release NZM2-4-XFIIcw = 1.5 kA
Standard terminals Optional terminals Connection on rear. Screw terminal. Tunnel terminal Terminal capacity (aluminum solid conductor/cable) 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) direct at switch rear-side connection 16 mm² - 18 mm² (1x) at tunnel terminal 10 mm² - 18 mm² (1x) at 1-hole tunnel terminal Terminal capacity (copper busbar) Terminal capacity (copper busbar) Max. 24 mm x 8 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection 10 mm² - 16 mm² (2x) direct at switch rear-side connection 10 mm² - 16 mm² (1x) at tox terminal 16 mm² (1x) at tox terminal 10 mm² - 16 mm² (2x) direct at switch rear-side connection 6 mm² - 16 mm² (2x) at box terminal 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 185 mm² (1x) at 5 mm² - 185 mm² (1x) at 5 mox terminal 25 mm² - 185 mm² (1x) at 5 mox terminal 25 mm² - 185 mm² (1x) at 5 mox terminal 25 mm² - 185 mm² (1x) at 5 mox terminal 25 mm² - 185 mm² (1x) at 5 mox terminal 25 mm² - 185 mm² (1x) direct at switch rear-side connection	· · ·	zuuuu operations
Optional terminals Connection on rear. Screw terminal. Tunnel terminal 10 mm² - 16 mm² (2x) direct at switch rear-side connection 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal Terminal capacity (copper busbar) Max. 24 mm x 8 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection Terminal capacity (copper solid conductor/cable) 6 mm² - 16 mm² (2x) direct at switch rear-side connection 10 mm² - 16 mm² (1x) at box terminal 10 mm² - 16 mm² (2x) direct at switch rear-side connection 6 mm² - 16 mm² (2x) direct at switch rear-side connection 25 mm² - 16 mm² (2x) direct at switch rear-side connection 25 mm² - 10 mm² (2x) at box terminal 25 mm² - 10 mm² (2x) at box terminal 25 mm² - 185 mm² (1x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) direct at switch rear-side connection		
Terminal capacity (aluminum solid conductor/cable) 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal 10 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 185 mm² (1x) at tunnel terminal 25 mm² - 185 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) at tunnel terminal 25 mm² - 70 mm² (2x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) at tunnel terminal 25 mm² - 185 mm² (1x) at tunnel terminal 25 mm² - 185 mm² (1x) at box terminal 25 mm² - 185 mm² (1x) at box terminal		
Terminal capacity (aluminum stranded conductor/cable) 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal Max. 24 mm x 8 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection 6 mm² - 16 mm² (2x) direct at switch rear-side connection 10 mm² - 16 mm² (1x) at box terminal 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (2x) direct at switch rear-side connection 6 mm² - 16 mm² (1x) direct at switch rear-side connection 6 mm² - 16 mm² (2x) direct at switch rear-side connection 6 mm² - 16 mm² (2x) at box terminal 10 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 70 mm² (2x) at box terminal 25 mm² - 70 mm² (2x) at box terminal 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 185 mm² (1x) at box terminal 25 mm² - 185 mm² (1x) at box terminal 25 mm² - 185 mm² (1x) direct at switch rear-side connection	·	10 mm ² - 16 mm ² (2x) direct at switch rear-side connection 16 mm ² (1x) at tunnel terminal
Terminal capacity (copper busbar) Max. 24 mm x 8 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection M8 at rear-side screw connection M8 at rear-side screw connection 6 mm² - 16 mm² (2x) direct at switch rear-side connection 10 mm² - 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) direct at switch rear-side connection 6 mm² - 16 mm² (2x) at box terminal 7 mm² - 16 mm² (2x) at box terminal 25 mm² - 70 mm² (2x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 185 mm² (1x) at box terminal 25 mm² - 185 mm² (1x) direct at switch rear-side connection	Terminal capacity (aluminum stranded conductor/cable)	
Terminal capacity (copper solid conductor/cable) 6 mm² - 16 mm² (2x) direct at switch rear-side connection 10 mm² - 16 mm² (1x) at tunnel terminal 16 mm² (1x) direct at switch rear-side connection 6 mm² - 16 mm² (2x) direct at switch rear-side connection 6 mm² - 16 mm² (2x) at box terminal 7 mm² - 16 mm² (2x) direct at switch rear-side connection 25 mm² - 70 mm² (2x) direct at switch rear-side connection 25 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 185 mm² (1x) at box terminal 25 mm² - 185 mm² (1x) direct at switch rear-side connection		Max. 24 mm x 8 mm direct at switch rear-side connection Min. 16 mm x 5 mm direct at switch rear-side connection
25 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 70 mm² (2x) at box terminal 25 mm² - 185 mm² (1x) at box terminal 25 mm² - 185 mm² (1x) direct at switch rear-side connection	Terminal capacity (copper solid conductor/cable)	6 mm² - 16 mm² (2x) direct at switch rear-side connection 10 mm² - 16 mm² (1x) at box terminal 16 mm² (1x) at tunnel terminal 10 mm² - 16 mm² (1x) direct at switch rear-side connection
Terminal canacity (conner strin) Min 2 segments of 9 mm v 0.8 mm at how terminal	Terminal capacity (copper stranded conductor/cable)	25 mm² - 185 mm² (1x) at 1-hole tunnel terminal 25 mm² - 70 mm² (2x) at box terminal 25 mm² - 185 mm² (1x) at box terminal
Max. 10 segments of 16 mm x 0.8 mm at box terminal	Terminal capacity (copper strip)	Min. 2 segments of 9 mm x 0.8 mm at box terminal

	Max. 8 segments of 15.5 mm x 0.8 mm (2x) at box terminal Min. 2 segements of 16 mm x 0.8 mm at rear-side connection (punched) Max. 10 segments of 24 mm x 0.8 mm at rear-side connection (punched)
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	250 A
Equipment heat dissipation, current-dependent	48 W
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Ambient storage temperature - min	40 °C
Ambient storage temperature - max	70 °C
Design verification as per IEC/EN 61439	
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.
10.2.4 Resistance to ultra-violet (UV) radiation	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.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
Additional information	
Functions	Disconnectors/main switches Voltage release optional Interlockable

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		Yes
Version as maintenance-/service switch		Yes
Version as safety switch		No
Version as emergency stop installation		Yes
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	Α	250
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	3.5
Rated operation power at AC-23, 400 V	kW	132

Switching power at 400 V	kW	0
Conditioned rated short-circuit current Iq	kA	0
Number of poles		4
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		Yes
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		Rocker lever
Interlockable		Yes
Type of electrical connection of main circuit		Frame clamp
With pre-assembled cabling		No
Degree of protection (IP), front side		IP20
Degree of protection (NEMA)		Other
Width	mm	140
Height	mm	185
Depth	mm	142
Width in number of modular spacings		