## DATASHEET - P1-40/SE1/SVB/HI11

Main switch, P1, 40 A, surface mounting, 3 pole, 1 N/O, 1 N/C, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position, in steel enclosure



Part no. P1-40/SE1/SVB/HI11

199947

**EL Number** 1403756

(Norway)

Product name Part no. Photous Length/Depth Product Length/Depth Product width Product width Product weight Compliances Certifications Product Tradename Product Tradename Product Type Product Type Roduct Type Ro	(Norway)		
Part no.	General specifications		
EAN         4015GEVESSOSS           Product Lengin/Utgath         200 millimetre           Product Veilight         130 millimetre           Product Veilight         150 millimetre           Product Veilight         150 millimetre           Product Veilight         150 millimetre           Certifications         CERT Veilight           Certifications         160 Millimetre           Certifications         160 Millimetre           Certifications         160 Millimetre           Product Train Train         160 Millimetre           Product Train Train         Product Train Train           Product Train Train         Product Train Train Train           Product Train Train Train         Mone           Catalog Return         None           Catalog Return         Steel           Catalog Return         Steel           Extent Statutes         Steel           Extent with:         Steel           Fatter with:         Contrained Return Train Train Conductor fine of the growth of the contrain Train Conductor fine of the growth of the contrain Conductor fine of the growth of the growth of the contrain Conductor fine of t	Product name	Eaton Moeller® series P1 Main switch	
Product Length Villegith Product Verlight Product Shall Shall Product Product Verlight Product Shall Shall Product	Part no.	P1-40/SE1/SVB/HI11	
Product height Product width Product width Product width Product width Compliances Complia	EAN	4015082953676	
Product variable Product versight Compliances Certifications Product Tradecisime Catalog Notes Cata	Product Length/Depth	200 millimetre	
Product veight Compliances CETIFICATIONS CATALOGY NOTES CATAL	Product height	135 millimetre	
Compliances Certifications Certifica	Product width	150 millimetre	
Cartifications  Cartifications  ECEN MORAY EXAMINATION Encloser material Encloser file de yeste Encloser file de yeste Encloser Encloser file file Encloser file Enclos	Product weight	1.7 kilogram	
Product Tradename Product Tradename Product Tradename Product Tradename Product Tradename Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Short-time Withstand Current (low) for a time of 1 second Rated Inputs Short-time Withstand Current (low) for a time of 1 second Rated Inputs Short-time Withstand Current (low) for a time of 1 second Rated Inputs Short-time Withstand Current (low) for a time of 1 second Rated Inputs Short-time Withstand Current (low) for a time of 1 second Rated Inputs Short-time Withstand Current (low) for a sealed Short-time Withstand Current (low) for a time of 1 second Rated Short-time the Old) for the fitted Withstand Current (low) for a sealed Short-time Viterian as saled swinch in the Old) for a sealed Short-time Viterian as	Compliances		
Product Typo Product Sub Type Catalog Notes	Certifications	IEC/EN 60204	
Product Sub Type Cartalog Notes Cart	Product Tradename	P1	
Catalog Notes  Catalog Notes  Catalog Notes  Enclosure material  Enclosure material  Features  Catalog Notes  Enclosure material  Features  Catalog Notes  Catalog Notes  Enclosure material  Features  Catalog Notes  Catalog Notes  Catalog Notes  Catalog Notes  Catalog Notes  Enclosure material  Features  Catalog Notes  C	Product Type	Main switch	
Enclosure material Enclosure di protection Enclosure di protection (Font side) Elegree of protection	Product Sub Type	None	
Enclosure material  Features  Version as main switch Version as emergency stop installation Version as deflet witch Red rotary handle and yellow locking ring Emergency witching off function Interlockable Locking facility Loc	Catalog Notes	Rated Short-time Withstand Current (Icw) for a time of 1 second	
Features    Version as main switch Version as maintenance /service switch Version as sarders which Version as safety switch   Red rotary handle and yellow locking ring	Features & Functions		
Fitted with: Fitted with: Functions  Formation Locking facility Locking fa	Enclosure material	Steel	
Emergency switching off function Interlockable Lockable in the 0 (0ff) position  Accassories  Auxiliary contact or neutral conductor fitted by user.  IP65  Legree of protection (front side)  Legree o	Features	Version as maintenance-/service switch Version as emergency stop installation	
Locking facility  Number of poles  Seneral information  Accessories Degree of protection (front side) Lifespan, mechanical  Mounting method Mounting position  Operating frequency Overvoltage category Pollution degree Rated impulse withstand voltage (Uimp) Safe isolation Shock resistance Switching angle  Zimatic environmental conditions Ambient operating temperature - max Ambient operating temperature (enclosed) - max Ambient operating temperature (enclosed) - max Alient proofing Lickskelpin Auxiliary contact or neutral conductor fitted by user.  Auxiliary contact or neutral conductor	Fitted with:	Red rotary handle and yellow locking ring	
Number of poles  Seneral information  Accessories Auxiliary contact or neutral conductor fitted by user.  Degree of protection Degree of protection (front side) Lifespan, mechanical Mounting method Mounting position Mounting position As required Operating frequency Overvoltage category III Pollution degree 3 Rated impulse withstand voltage (Uimp) Safe isolation Shock resistance Switchane Switchane Switchane Switchane Switchane Abbient operating temperature - min Ambient operating temperature (enclosed) - mix Ambient operating temperature (enclosed) - max Climatic proofing Climatic proofing  Auxiliary contact or neutral conductor fitted by user.  Auxiliary contact or neutral conductor fitted by	Functions		
Accessories Auxiliary contact or neutral conductor fitted by user.  Degree of protection Degree of protection (front side) Lifespan, mechanical Mounting method Mounting method Mounting position As required Operating frequency Overvoltage category Ill Pollution degree Rated impulse withstand voltage (Uimp) Safe isolation Shock resistance Switching angle Dimatic environmental conditions Ambient operating temperature - min Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Climatic proofing Climatic proofing Damp heat, constant, to IEC 60068-2-78	Locking facility	Lockable in the 0 (Off) position	
Accessories Degree of protection Degree of protection (front side) Lifespan, mechanical Mounting method Mounting method Mounting position Degreating frequency Operating frequency Overvoltage category Pollution degree Rated impulse withstand voltage (Uimp) Safe isolation Shock resistance Switching angle Switching angle Switching angle Switching angle Smith operating temperature - min Ambient operating temperature (enclosed) - mix Ambient operating temperature (enclosed) - max Climatic proofing Auxiliary contact or neutral conductor fitted by user.  IP65  Defe Sun, contact or neutral conductor fitted by user. IP65  Defe Sou, contact or neutral conductor IP65  Depreting feet Sou, contact or neutral conductor IP65  Sou, contact or neutral conductors  Sun, contact or neutral conductors  Sun, contact or neutral conductors  Sun, contact or neutral conductors  Sou, contact or neutral conductors  Auxiliary contact or neutral conductors  Sou, contact or neutral conductors  Sun, contact or neutral conductors  Auxiliary contact or neutral conductor  Auxiliary contact or neutral conductors  Auxiliar	Number of poles	3	
Degree of protection  Degree of protection (front side)  Lifespan, mechanical  Mounting method  Mounting position  Operating frequency  Operating frequency  Overvoltage category  Ill  Pollution degree  Rated impulse withstand voltage (Uimp)  Safe isolation  Shock resistance  Switching angle  Limatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Climatic proofing  Ple5  Sounce mounting  Surface mounting  As required  50 Operations/h  111  121  Source mounting  As required  50 Operations/h  111  42 OPC  Surface mounting  43 Surface mounting  44 OPC  Climatic proofing  Page and mounting  Ambient operating temperature (enclosed) - max  40 °C  Damp heat, constant, to IEC 60068-2-78	General information		
Degree of protection (front side)  Lifespan, mechanical  Mounting method  Mounting position  Operating frequency  Operating frequency  Overvoltage category  III  Pollution degree  3 Rated impulse withstand voltage (Uimp)  Safe isolation  Shock resistance  Switching angle  Cimatic environmental conditions  Ambient operating temperature - max  Ambient operating temperature (enclosed) - max  Climatic proofing  Pip5  30,000 Operations  Surface mounting  As required  50 Operations/h  10 Querations/h  8000 V AC  8000 V AC  8000 V AC  8000 V AC, Between the contacts, According to EN 61140  15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms  90 °  Cimatic environmental conditions  Ambient operating temperature - max  40 °C  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Climatic proofing  Damp heat, constant, to IEC 60068-2-78	Accessories	Auxiliary contact or neutral conductor fitted by user.	
Lifespan, mechanical  Mounting method  Mounting position  As required  Operating frequency  Operating frequency  Overvoltage category  III  Pollution degree  Rated impulse withstand voltage (Uimp)  Safe isolation  Shock resistance  Switching angle  Switching angle  Climatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Climatic proofing  Damp heat, constant, to IEC 60068-2-78	Degree of protection	IP65	
Mounting method  Mounting position  As required  Operating frequency  50 Operations/h  Overvoltage category  III  Pollution degree  Rated impulse withstand voltage (Uimp)  Safe isolation  Safe isolation  And V AC, Between the contacts, According to EN 61140  Shock resistance  Switching angle  Switching angle  Dimatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Alo °C  Climatic proofing  Damp heat, constant, to IEC 60068-2-78	Degree of protection (front side)	IP65	
Mounting position  As required  Operating frequency  50 Operations/h  Uniform degree  3  Rated impulse withstand voltage (Uimp)  Safe isolation  Shock resistance  Switching angle  Climatic environmental conditions  Ambient operating temperature - min  As required  50 Operations/h  III  6000 V AC  440 V AC, Between the contacts, According to EN 61140  15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms  90 °  Climatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature - max  40 °C  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  40 °C  Climatic proofing  Damp heat, constant, to IEC 60068-2-78	Lifespan, mechanical	300,000 Operations	
Operating frequency Overvoltage category III  Pollution degree Rated impulse withstand voltage (Uimp) 6000 V AC  Safe isolation Shock resistance Switching angle 2Itimatic environmental conditions Ambient operating temperature - min Ambient operating temperature (enclosed) - min Ambient operating temperature (enclosed) - max Climatic proofing  Damp heat, constant, to IEC 60068-2-78	Mounting method	Surface mounting	
Overvoltage category Pollution degree 3 Rated impulse withstand voltage (Uimp) 6000 V AC Safe isolation 440 V AC, Between the contacts, According to EN 61140 Shock resistance Switching angle 90 °  Climatic environmental conditions Ambient operating temperature - min -25 °C Ambient operating temperature (enclosed) - min -25 °C Ambient operating temperature (enclosed) - max 40 °C Climatic proofing Damp heat, constant, to IEC 60068-2-78	Mounting position	As required	
Pollution degree 3 Rated impulse withstand voltage (Uimp) 6000 V AC Safe isolation 440 V AC, Between the contacts, According to EN 61140 Shock resistance 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms Switching angle 90 °  Climatic environmental conditions Ambient operating temperature - min -25 °C Ambient operating temperature (enclosed) - min -25 °C Ambient operating temperature (enclosed) - min -25 °C  Ambient operating temperature (enclosed) - max 40 °C  Climatic proofing Damp heat, constant, to IEC 60068-2-78	Operating frequency	50 Operations/h	
Rated impulse withstand voltage (Uimp)  Safe isolation  440 V AC, Between the contacts, According to EN 61140  Shock resistance  Switching angle  Switching angle  Climatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature - max  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Climatic proofing  Damp heat, constant, to IEC 60068-2-78	Overvoltage category	III	
Safe isolation  440 V AC, Between the contacts, According to EN 61140  Shock resistance  15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms  90 °  Stimatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature - max  40 °C  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Climatic proofing  Damp heat, constant, to IEC 60068-2-78	Pollution degree	3	
Shock resistance 15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms  Switching angle 90 °  Climatic environmental conditions  Ambient operating temperature - min -25 °C  Ambient operating temperature (enclosed) - min -25 °C  Ambient operating temperature (enclosed) - max 40 °C  Climatic proofing Damp heat, constant, to IEC 60068-2-78	Rated impulse withstand voltage (Uimp)	6000 V AC	
Switching angle    90 °	Safe isolation	440 V AC, Between the contacts, According to EN 61140	
Switching angle  Climatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature - max  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Climatic proofing  90 °  -25 °C  -25 °C  40 °C  -25 °C  Damp heat, constant, to IEC 60068-2-78	Shock resistance		c 20 ms
Ambient operating temperature - min  Ambient operating temperature - max  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  Ambient operating temperature (enclosed) - max  Climatic proofing  Damp heat, constant, to IEC 60068-2-78	Switching angle		
Ambient operating temperature - min  Ambient operating temperature - max  40 °C  Ambient operating temperature (enclosed) - min  Ambient operating temperature (enclosed) - max  40 °C  Climatic proofing  Damp heat, constant, to IEC 60068-2-78			
Ambient operating temperature - max  40 °C  Ambient operating temperature (enclosed) - min  -25 °C  Ambient operating temperature (enclosed) - max  40 °C  Climatic proofing  Damp heat, constant, to IEC 60068-2-78		-25 °C	
Ambient operating temperature (enclosed) - min  -25 °C  Ambient operating temperature (enclosed) - max  40 °C  Climatic proofing  Damp heat, constant, to IEC 60068-2-78			
Ambient operating temperature (enclosed) - max  40 °C  Climatic proofing  Damp heat, constant, to IEC 60068-2-78			
Climatic proofing Damp heat, constant, to IEC 60068-2-78			
	ominate proving		

Terminal capacities	
Terminal capacity	1 x (1 - 4) mm <sup>2</sup> , flexible with ferrules to DIN 46228
	2 x (1 - 4) mm², flexible with ferrules to DIN 46228 1 x 10 mm² with fork terminal
	2 x 10 mm <sup>2</sup> with fork terminal
Screw size	M4, Terminal screw
Tightening torque	1.6 Nm, Screw terminals
Electrical rating	
Rated breaking capacity at 400/415 V (cos phi to IEC 60947-3)	290 kA
Rated breaking capacity at 660/690 V (cos phi to IEC 60947-3)	130 kA
Rated operational current (Ie) at AC-3, 220 V, 230 V, 240 V	30 A
Rated operational current (le) at AC-3, 380 V, 400 V, 415 V	30 A
Rated operational current (le) at AC-3, 660 V, 690 V	17 A
Rated operational current (Ie) at AC-21, 440 V	40 A
Rated operational current (Ie) at AC-23A, 230 V	40 A
Rated operational current (le) at AC-23A, 400 V, 415 V	40 A
Rated operational current (Ie) at AC-23A, 690 V	20 A
Rated operational power at AC-3, 380/400 V, 50 Hz	15 kW
Rated operational power at AC-3, 415 V, 50 Hz	15 kW
Rated operational power at AC-3, 690 V, 50 Hz	15 kW
Rated operational power at AC-23A, 220/230 V, 50 Hz	11 kW
Rated operational power at AC-23A, 400 V, 50 Hz	22 kW
Rated operational power at AC-23A, 690 V, 50 Hz	18.5 kW
Rated operational voltage (Ue) at AC - min	690 V
Rated operational voltage (Ue) at AC - max	690 V
Rated uninterrupted current (Iu)	40 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.
Short-circuit rating	
Rated conditional short-circuit current (Iq)	80 kA
Rated short-time withstand current (Icw)	0.64 kA 640 A, Contacts, 1 second
Short-circuit protection rating	50 A gG/gL, Fuse, Contacts
Switching capacity	Jo A guyge, ruse, contacts
	40.1%/ 1111 1111 1111 1111 1111 1111 1111
Load rating	1.3 x l# (with intermittent operation class 12, 60 % duty factor) 1.6 x l# (with intermittent operation class 12, 40 % duty factor)
	2 x l# (with intermittent operation class 12, 25 % duty factor)
Contacts	
Control circuit reliability	1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)
Number of auxiliary contacts (change-over contacts)	0
Number of auxiliary contacts (normally closed contacts)	1
Number of auxiliary contacts (normally open contacts)	1
Actuator	
	Pad
Actuator color	Red
Actuator type	Door coupling rotary drive
Design verification	
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	3.5 W
Rated operational current for specified heat dissipation (In)	40 A
Static heat dissipation, non-current-dependent Pvs	0 W
10.2.2 Corrosion resistance	Meets the product standard's requirements.
	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.

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.

## **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 averich         Yes           Version as main averich werken         Yes           Version as safety switch         Yes           Version as safety switch         Yes           Vursion as reversing switch         No           Mursion as reversing switch         V         680           Max. rated operation voltage Ue AC         V         680         680           Rated operation voltage Ue AC         A         40         40           Rated permanent current as AC-23, 400 V         A         40         40           Rated permanent current as AC-23, 400 V         A         40         40           Rated permanent current as AC-23, 400 V         A         40         40           Rated permanent current as AC-23, 400 V         A         40         40           Rated permanent current as AC-23, 400 V         A         40         40           Rated permanent current as AC-23, 400 V         A         50         40           Rated operation power at AC-23, 400 V         A         80         60           Switching power at 400 V         A         80         80           Conditional rated short-circuit current Iq         A         80           Number of auxiliary contacts as normally closed contact			v.
Version as safery switch         Yes           Version as emergency stop installation         76           Version as reversing switch         10           Number of switches         10           Max, rated operation voltage Ue AC         V         890           Rated operating voltage         V         890           Rated permanent current un         A         40           Rated permanent current at AC-21,400 V         A         40           Rated operation power at AC-3,400 V         KA         064           Rated short-time withstand current lcw         KA         064           Rated short-time withstand current lcw         KA         064           Rated short-time vithstand current lcw         KA         064           Rated short-time withstand current lcw         KA         064           Rated short-time vithstand current lcw         KA         064           Number of poles         KA         06           Number of suxiliary contacts as normally closed contact         KA         06	Version as main switch		Yes
Version as emergency stop installation         Yes         Yes           Version as reversing switch         No         No           Number of switches         9         1           Rated persing voltage         V         890-890           Rated operating voltage         V         800-890           Rated permanent current at AC-23, 400 V         A         40           Rated permanent current at AC-21, 400 V         R         W         15           Rated short-time withstand current low         R         W         15           Rated short-time withstand current low         R         W         22           Rated operation power at AC-23, 400 V         R         W         22           Switching power at 400 V         R         W         22           Conditioned rated short-circuit current lq         R         W         2           Number of buxiliary contacts as normally closed contact         R         1         1           Number of auxiliary contacts as change-over contact         W         No         No           Motor drive integrated         No         No         No           Voltage release optional         No         No         No           Suitable for front mounting - Hole         No			
Version as reversing switch         No         1           Number of switches         1         1           Max rated operation voltage Ue AC         V         990           Rated operation voltage         V         800-990           Rated permanent current at AC-23, 400 V         A         40           Rated permanent current at AC-23, 400 V         A         40           Rated operation power at AC-3, 400 V         K         50           Rated operation power at AC-3, 400 V         KA         0.84           Rated operation power at AC-3, 400 V         KA         0.84           Rated operation power at AC-3, 400 V         KA         0.84           Switching power at 400 V         KA         0.84           Switching power at 400 V         KA         0.9           Switching power at 400 V         KA         0.9           Number of auxiliary contacts as normally closed contact         KA         0.0           Number of auxiliary contacts as normally closed contact         KA         0.0           Motor drive optional         KA         No           Motor drive integrated         KA         No           Voltage release optional         KA         No           Suitable for front mounting 4-bel         No <td>Version as safety switch</td> <td></td> <td>Yes</td>	Version as safety switch		Yes
Number of switches         1           Max. rated operation voltage Ue AC         V         690           Rated operation voltage         V         690 - 690           Rated permanent current at AC-23, 400 V         A         40           Rated permanent current at AC-23, 400 V         A         40           Rated permanent current at AC-23, 400 V         KW         15           Rated operation power at AC-3, 400 V         KW         22           Rated operation power at AC-23, 400 V         WW         22           Switching power at AC-23, 400 V         WW         22           Conditioned rated short-circuit current Iq         KW         22           Conditioned rated short-circuit current Iq         KA         80           Number of auxiliary contacts as normally closed contact         I         1           Number of auxiliary contacts as normally closed contact         I         1           Number of auxiliary contacts as change-over contact         I         0           Motor drive optional         I         No           Motor drive integrated         I         No           Voltage release optional         I         No           Device construction         I         No           Suitable for front mounting	Version as emergency stop installation		Yes
Max. rated operation voltage Ue AC         V         690           Rated operating voltage         V         690 - 690           Rated permanent current tu         A         40           Rated permanent current at AC-23, 400 V         A         40           Rated permanent current at AC-21, 400 V         A         40           Rated permanent current at AC-23, 400 V         RW         15           Rated operation power at AC-3, 400 V         RW         22           Rated operation power at AC-23, 400 V         RW         22           Switching power at 400 V         RW         22           Conditioned rated short-circuit current Iq         KA         80           Number of beaxiliary contacts as normally closed contact         1         1           Number of auxiliary contacts as normally open contact         1         1           Number of auxiliary contacts as change-over contact         No         No           Motor drive optional         No         No           Motor drive integrated         No         No           Voltage release optional         No         No           Device construction         Built-in device fixed built-in technique           Suitable for from mounting 4-hole         No         No           Sui	Version as reversing switch		No
Rated operating voltage         V         689 - 690           Rated permanent current Iu         A         40           Rated permanent current at AC-23, 400 V         A         40           Rated operation power at AC-3, 400 V         kW         15           Rated operation power at AC-3, 400 V         kW         22           Switching power at 400 V         kW         22           Switching power at 400 V         kW         22           Conditioned rated short-circuit current Iq         kA         80           Number of poles         3         3           Number of auxiliary contacts as normally closed contact         1         1           Number of auxiliary contacts as normally open contact         1         1           Number of auxiliary contacts as change-over contact         0         No           Motor drive optional         No         No           Motor drive optional         No         No           Voltage release optional         No         No           Overce construction         Built-in device fixed built-in technique           Suitable for floor mounting         No         No           Suitable for front mounting sentre         No         No           Suitable for intermediate mounting         No	Number of switches		1
Rated permanent current lu A 400 Rated permanent current at AC-23, 400 V A 400 Rated permanent current at AC-21, 400 V A 400 Rated operation power at AC-3, 400 V AV 15 Rated short-time withstand current lcw AC-23, 400 V AV 22 Switching power at 400-23, 400 V AV 22 Switching power at AC-23, 400 V AV 22 Conditioned rated short-circuit current lq AC-23, 400 V AV 22 Conditioned rated short-circuit current lq AC-23, 400 V AV 22 Conditioned rated short-circuit current lq AC-23, 400 V AV 22 Conditioned rated short-circuit current lq AC-23, 400 V AV 22 Conditioned rated short-circuit current lq AC-23, 400 V AV 22 Conditioned rated short-circuit current lq AC-23, 400 V AV 22 Conditioned rated short-circuit current lq AC-23, 400 V AV 22 Conditioned rated short-circuit current lq AC-23, 400 V AV 20 Conditi	Max. rated operation voltage Ue AC	V	690
Rated permanent current at AC-23, 400 V Rated permanent current at AC-21, 400 V Rated permanent current at AC-21, 400 V Rated short-time withstand current lew Rated operation power at AC-33, 400 V Rated short-time withstand current lew Rated operation power at AC-23, 400 V RW 22 Switching power at 400 V RW 22 Conditioned rated short-circuit current lq RA	Rated operating voltage	V	690 - 690
Rated permanent current at AC-21, 400 V	Rated permanent current lu	Α	40
Rated operation power at AC-3, 400 V Rated short-time withstand current lew Rated operation power at AC-23, 400 V RW 22 Switching power at 400 V RW 22 Conditioned rated short-circuit current Iq Row Rated operation power at 400 V RW 22 Conditioned rated short-circuit current Iq Row Rated operation power at 400 V RW 22 Conditioned rated short-circuit current Iq Row	Rated permanent current at AC-23, 400 V	Α	40
Rated short-time withstand current low Rated operation power at AC-23, 400 V Rated operation power at 400 V Row Switching power at 400 V Row Conditioned rated short-circuit current Iq Row	Rated permanent current at AC-21, 400 V	Α	40
Rated operation power at AC-23, 400 V  Switching power at 400 V  Conditioned rated short-circuit current Iq  kA  Number of poles  Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Number of auxiliary contacts as change-over contact  No  Motor drive optional  Motor drive integrated  Voltage release optional  Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  KW  22   22  3  3  3  3  4  4  5  6  6  7  8  8  8  8  8  8  8  8  8  8  8  8	Rated operation power at AC-3, 400 V	kW	15
Switching power at 400 V Conditioned rated short-circuit current Iq Number of poles Number of poles Number of auxiliary contacts as normally closed contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as normally open contact Number of auxiliary contacts as change-over contact Number of auxiliary contacts as change-over contact Notor drive optional Motor drive integrated No No No Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre Suitable for firont mounting centre Suitable for intermediate mounting Suitable for intermediate mounting Colour control element Type of control element Interlockable    No   No   No   No   No   No   No   N	Rated short-time withstand current lcw	kA	0.64
Conditioned rated short-circuit current Iq  kA  80  Number of poles  3  Number of auxiliary contacts as normally closed contact  1  Number of auxiliary contacts as normally open contact  1  Number of auxiliary contacts as change-over contact  Motor drive optional  Motor drive integrated  No  Voltage release optional  Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  No  Suitable  Red  Type of control element  Interlockable	Rated operation power at AC-23, 400 V	kW	22
Number of poles  Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Number of auxiliary contacts as change-over contact  Motor drive optional  Motor drive integrated  No  Voltage release optional  No  Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting entre  No  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Na  Suitable for intermediate mounting  Red  Types	Switching power at 400 V	kW	22
Number of auxiliary contacts as normally closed contact  Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Number of auxiliary contacts as change-over contact  Motor drive optional  Motor drive integrated  No  Voltage release optional  Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting 4-hole  Suitable for distribution board installation  Suitable for intermediate mounting  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  1  No  Suitable for intermediate mounting  Red  Type of control element  Interlockable  Yes	Conditioned rated short-circuit current Iq	kA	80
Number of auxiliary contacts as normally open contact  Number of auxiliary contacts as change-over contact  Notor drive optional  Motor drive integrated  No  Voltage release optional  Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for intermediate mounting  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Interlockable	Number of poles		3
Number of auxiliary contacts as change-over contact  Motor drive optional  Motor drive integrated  No  Voltage release optional  Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  No  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  No  No  No  No  Red  Door coupling rotary drive  Interlockable	Number of auxiliary contacts as normally closed contact		1
Motor drive optional Motor drive integrated No Voltage release optional Device construction Suitable for floor mounting Suitable for front mounting 4-hole Suitable for front mounting centre No Suitable for distribution board installation Suitable for intermediate mounting Colour control element Type of control element Interlockable No No No No No Colour control element No Door coupling rotary drive Yes	Number of auxiliary contacts as normally open contact		1
Motor drive integrated  Voltage release optional  Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  No  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  No  No  No  Routed  No  Red  Door coupling rotary drive  Interlockable	Number of auxiliary contacts as change-over contact		0
Voltage release optional  Device construction  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  No  No  Suitable for intermediate mounting  No  Colour coupling rotary drive  Yes	Motor drive optional		No
Device construction  Built-in device fixed built-in technique  Suitable for floor mounting  Suitable for front mounting 4-hole  Suitable for front mounting centre  Suitable for distribution board installation  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  Built-in device fixed built-in technique  No  No  No  Pocition of the po	Motor drive integrated		No
Suitable for floor mounting Suitable for front mounting 4-hole No Suitable for front mounting centre No Suitable for distribution board installation No Suitable for intermediate mounting Colour control element Type of control element Interlockable No No No Red Door coupling rotary drive Yes	Voltage release optional		No
Suitable for front mounting 4-hole  Suitable for front mounting centre  No  Suitable for distribution board installation  Suitable for intermediate mounting  No  Colour control element  Type of control element  Interlockable  No  No  Red  Yes	Device construction		Built-in device fixed built-in technique
Suitable for front mounting centre  Suitable for distribution board installation  No  Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  No  No  Red  Door coupling rotary drive  Yes	Suitable for floor mounting		No
Suitable for distribution board installation  Suitable for intermediate mounting  No  Colour control element  Type of control element  Interlockable  No  No  Red  Door coupling rotary drive  Yes	Suitable for front mounting 4-hole		No
Suitable for intermediate mounting  Colour control element  Type of control element  Interlockable  No  Red  Door coupling rotary drive  Yes	Suitable for front mounting centre		No
Colour control element  Type of control element  Interlockable  Red  Door coupling rotary drive  Yes	Suitable for distribution board installation		No
Type of control element  Interlockable  Door coupling rotary drive  Yes	Suitable for intermediate mounting		No
Interlockable Yes	Colour control element		Red
	Type of control element		Door coupling rotary drive
Type of electrical connection of main circuit Screw connection	Interlockable		Yes
	Type of electrical connection of main circuit		Screw connection

Degree of protection (IP), front side	IP65	
Degree of protection (NEMA)		