DATASHEET - VLCE14-3P+N



Fuse switch-disconnector, 50A, 1p, 22x51 size

Part no. VLCE14-3P+N Catalog No. 192379



Delivery program

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	For cylindrical fuses	
	Up to 50 A Without flashing function	
Size	14 x 51	
Number of poles	3 + N	

Technical data

Electrical

Electrical			
Number of poles			1P 1P+N 2P 3P 3P+N
Rated operating voltage	U _e	V AC	690
Rated operational current	I _e	Α	50
Rated conditional short-circuit current	Ie		100
Rated frequency	f	Hz	50
Utilization category			AC 22 B
Rated impulse withstand voltage	U_{imp}	kV	8
Fuse		W	gG: 5, aM: 3
Mechanical			
Standard front dimension		mm	45

Fuse	W	gG: 5, aM: 3
Mechanical		
Standard front dimension	mm	45
Enclosure height	mm	94
Mounting width	mm	27/per pole
Weight	g	1P 100 1P+N 222 2P 201 3P 308 3P+N 437
Mounting		Quick attachment for top-hat rail IEC/EN 60715
Degree of protection		
Integrated		IP20
Terminals		Lift terminals
Terminal capacities	mm ²	
Solid	mm ²	1.5 - 10
Temperature range	°C	-25 +60
Specified tightening torque for terminal screws		
Tightening torque	Nm	max. 2
Overvoltage category/pollution degree		-/1
Track resistance		CTI 400

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.	°(С	-25
Operating ambient temperature max.	°(С	55

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Fuse switch disconnector (EC001040)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Fuse switch disconnector (ecl@ss10.0.1-27-37-14-01 [AKF058013])

Version as main switch No

Version as safety switch Yes Max. rated operation voltage Ue AC V 990 Rated permanent current Iu A 50 Rated operation power at AC-23,400 V WW 0 Conditioned rated short-circuit current Iq A 100 Rated short-time withstand current Icw A 104 Suitable for fuses Image: Max of poles 1425 Image: Max of poles With error protection Image: Max of poles No With error protection of main circuit Image: Max of poles No Cable entry Other Diter Suitable for ground mounting Image: Max of poles No Suitable for ground mounting Image: Max of poles No Suitable for front mounting 4-hole Image: Max of poles No Suitable for bushar mounting Image: Max of poles No Suitable for bushar mounting Image: Max of poles No Suitable for bushar mounting Image: Max of poles No Suitable for bushar mounting Image: Max of poles No Suitable for bushar mounting Image: Max of poles No Suitable for bushar mounting Image: Max of poles No Suitable for bushar mounting Image: Max of poles No Moto			
Rated permanent current lu A 90 Rated operation power at AC-23, 400 V kW 0 Conditioned rated short-circuit current lq kA 100 Rated short-time withstand current lcw kA 0.8 Suitable for fuses 14x51 mm Number of poles 4 14x51 mm With error protection No No Type of electrical connection of main circuit Screw connection Vither Cable entry Other Vitable for ground mounting No Suitable for ground mounting 4-hole Yes No Suitable for front mounting 4-hole Yes No Suitable for busbar mounting Yes No Type of control element Yes No Position control element Yes No Motor drive optional Yes No Motor drive integrated Yes No	Version as safety switch		Yes
Rated operation power at AC-23,400 V Conditioned rated short-circuit current Iq Rated short-time withstand current Icw Rated short-time withstand current Icw Suitable for fuses Suitable for fuses Number of poles With error protection Type of electrical connection of main circuit Cable entry Equipped with connectors Suitable for ground mounting Suitable for front mounting 4-hole Suitable for front mounting 4-hole Suitable for footnord element Position control element Motor drive optional Motor drive integrated Version as emergency stop installation	Max. rated operation voltage Ue AC	V	690
Conditioned rated short-circuit current Iq kA 100 Rated short-time withstand current Icw kA 0.6 Suitable for fuses 14x51 mm Number of poles 4 14x51 mm With error protection No No Type of electrical connection of main circuit Screw connection Cable entry Other Equipped with connectors No Yes Suitable for ground mounting Yes No Suitable for front mounting 4-hole No No Suitable for busbar mounting No No Type of control element No Rocker lever Position control element No Front side Motor drive optional No No Motor drive integrated No No Version as emergency stop installation No No	Rated permanent current lu	Α	50
Rated short-time withstand current low Suitable for fuses Suitable for fuses Number of poles With error protection Type of electrical connection of main circuit Cable entry Equipped with connectors Suitable for ground mounting Suitable for ground mounting Suitable for font mounting 4-hole Suitable for font mounting 4-hole Suitable for font mounting Suitable for front mounting Suitable for busbar mounting Suitable for busbar mounting Suitable for busbar mounting Suitable for substar mounting Suitable for front mounting Suitable for front mounting Suitable for front mounting Suitable for font mounting Suitable for font mounting Suitable for substar mounting Suitable for font mount	Rated operation power at AC-23, 400 V	kW	0
Suitable for fuses Number of poles Number of poles With error protection Type of electrical connection of main circuit Cable entry Equipped with connectors Suitable for ground mounting Suitable for ground mounting Suitable for funt mounting 4-hole Suitable for busbar mounting Type of control element Position control element Motor drive optional Motor drive integrated Version as emergency stop installation	Conditioned rated short-circuit current Iq	kA	100
Number of poles With error protection Type of electrical connection of main circuit Cable entry Equipped with connectors Suitable for ground mounting Suitable for front mounting 4-hole Suitable for busbar mounting Type of control element Position control element Motor drive optional Motor drive integrated Ves No Accepted with connectors No Rocker lever Front side Motor drive integrated Ves No No No No No No No No No N	Rated short-time withstand current lcw	kA	0.6
With error protection Type of electrical connection of main circuit Cable entry Equipped with connectors Suitable for ground mounting Suitable for front mounting 4-hole Suitable for front mounting Suitable for busbar mounting Type of control element Position control element Motor drive optional Motor drive integrated Version as emergency stop installation	Suitable for fuses		14x51 mm
Type of electrical connection of main circuit Cable entry Equipped with connectors Suitable for ground mounting Suitable for front mounting 4-hole Suitable for busbar mounting Suitable for busbar mounting Suitable for ontrol element Position control element Motor drive optional Motor drive integrated Version as emergency stop installation Screw connection S	Number of poles		4
Cable entry Equipped with connectors Suitable for ground mounting Suitable for front mounting 4-hole Suitable for busbar mounting Type of control element Position control element Motor drive optional Motor drive integrated Version as emergency stop installation	With error protection		No
Equipped with connectors Suitable for ground mounting Suitable for front mounting 4-hole Suitable for busbar mounting Suitable for front mounting 4-hole Suitable for front mounting 4-hol	Type of electrical connection of main circuit		Screw connection
Suitable for ground mounting Suitable for front mounting 4-hole Suitable for busbar mounting Suitable for front mounting 4-hole Suitable for front mounting 4-hole Suitable for ground mounting Suitable for ground	Cable entry		Other
Suitable for front mounting 4-hole Suitable for busbar mounting Type of control element Position control element Motor drive optional Motor drive integrated Version as emergency stop installation No No No No No No No No No	Equipped with connectors		No
Suitable for busbar mounting Suitable for busbar mounting No Type of control element Position control element Motor drive optional Motor drive integrated Version as emergency stop installation No	Suitable for ground mounting		Yes
Type of control element Position control element Motor drive optional Motor drive integrated Version as emergency stop installation Rocker lever Front side No	Suitable for front mounting 4-hole		No
Position control element Motor drive optional Motor drive integrated Version as emergency stop installation Front side No	Suitable for busbar mounting		No
Motor drive optional No Motor drive integrated No Version as emergency stop installation No	Type of control element		Rocker lever
Motor drive integrated No Version as emergency stop installation No	Position control element		Front side
Version as emergency stop installation No	Motor drive optional		No
	Motor drive integrated		No
Degree of protection (IP), front side IP20	Version as emergency stop installation		No
	Degree of protection (IP), front side		IP20

Dimensions

