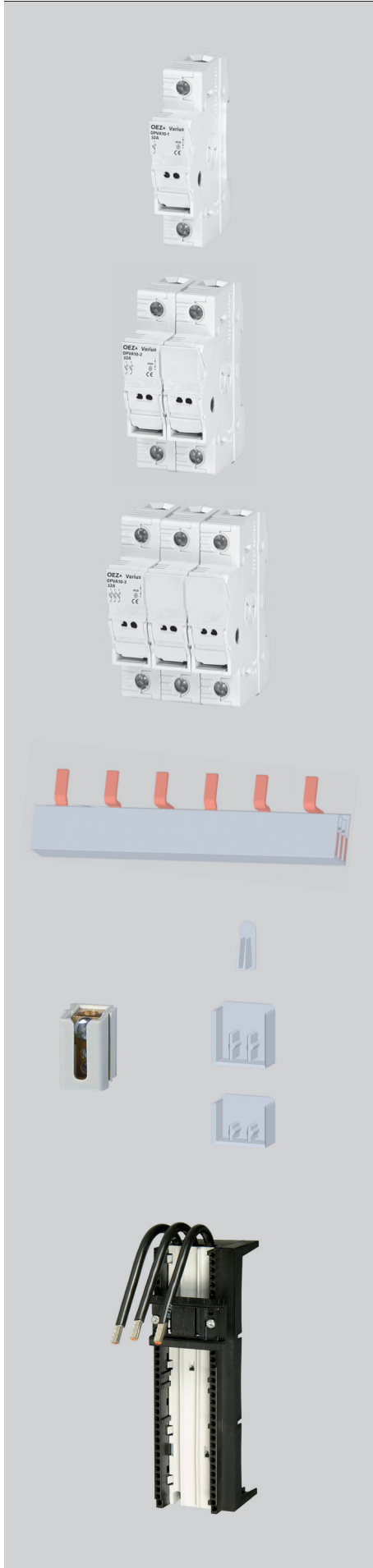


FUSE SWITCH-DISCONNECTORS OPVA10 UP TO 32 A



Fuse switch-disconnectors OPVA10 are intended for cylindrical fuse-links PVA10, PV10 size 10x38. They can safely switch off rated current and overcurrent. Devices meet the requirements for safe disconnection. Inverse connection is permissible and it affects neither the technical parameters nor the safety of the operator.

- Fuse switch-disconnectors OPVA10 can be sealed in the closed state.
- The devices are designed as modular for 45 mm cutout in the switchboard.
- Mounted on „U“ rail of type TH35 according to EN 60715 or on the panel (steel rail recommended).
- Fuse-link state can be indicated by means of electronic signalling see catalogue P1-2012-A, page D17.

Fuse switch-disconnectors

Type	Product code	I_n [A]	Number of poles	Weight [kg]	Package [pcs]
OPVA10-1	41005	32	1	0.063	12
OPVA10-1-S	41006		1	0.068	12
OPVA10-1N	41007		1+N	0.133	6
OPVA10-2	41008		2	0.128	6
OPVA10-2-S	41009		2	0.137	6
OPVA10-3	41010		3	0.193	4
OPVA10-3-S	41011		3	0.193	4
OPVA10-3N	41012		3+N	0.271	3

Accessories


Description	Type	Product code	Weight [kg]	Package [pcs]
1-pole interconnecting busbar , cross-section 10 mm ² , max. current 63 A rated operating voltage 690 V a.c./1000 V d.c., length 210 mm	S1L-210-10	38475	0.047	50
1-pole interconnecting busbar , cross-section 16 mm ² , max. current 80 A rated operating voltage 690 V a.c./1000 V d.c., length 1 m	S1L-1000-16	37375	0.302	50
2-pole interconnecting busbar , cross-section 10 mm ² , max. current 63 A rated operating voltage 690 V a.c./1000 V d.c., length 210 mm	S2L-210-10	38476	0.110	20
2-pole interconnecting busbar , cross-section 16 mm ² , max. current 80 A rated operating voltage 690 V a.c./1000 V d.c., length 1 m	S2L-1000-16	37378	0.447	20
3-pole interconnecting busbar , cross-section 10 mm ² , max. current 63 A rated operating voltage 690 V a.c./1000 V d.c., length 210 mm	S3L-210-10	38482	0.110	25
3-pole interconnecting busbar , cross-section 16 mm ² , max. current 80 A rated operating voltage 690 V a.c./1000 V d.c., length 1 m	S3L-1000-16	37379	0.737	20
End cap , for 1-pole busbars with diameter 10, 16 mm ²	EKC-1	37383	0.0005	10
End cap , for 2-pole and 3-pole rails with diameter 16 mm ²	EKC-2+3	37384	0.001	10
End cap , for 3-pole rails with diameter 10 mm ²	EKC-3	37385	0.001	10
Connection block , enables power supply of interconnecting busbars by conductors of cross-section up to 35 mm ² , the use of the block extends the mounting with by additional N-poles	ES-35-6S	00175	0.03	10
Adapter for busbar system with spacing 60 mm, busbar thickness 5 or 10 mm, busbar width 12 ÷ 30 mm, cable outlet bottom, max. current 63 A	GA-60/63/54-1x7,5	11883	0.56	1

Specifications

Rated operating current	I_e	32 A
Rated operating voltage	U_e	690 V a.c./440 V d.c.
LED signalling voltage range		110 ÷ 690 V a.c./d.c.
Utilization category		400 V a.c. AC-22B 690 V a.c. AC-20B
Rated thermal current with fuse-link	I_{th}	32 A
Rated frequency	f_n	50 ÷ 60 Hz
Rated insulation voltage	U_i	800 V a.c.
Rated conditional short-circuit current with fuse-links PV (RMS)	I_{cc}	400 V a.c. 50 kA
Rated impulse withstand voltage	U_{imp}	6 kV
Fuse-link size	diameter x length	10x38
Max. power losses of the fuse-link	P_v	3 W
Rated short-time withstand current	I_{cw} 1 s	1.6 kA
Rated short-circuit making capacity at 440 V d.c.	I_{cm}	3.5 kA

FUSE SWITCH-DISCONNECTORS OPVA10 UP TO 32 A

Specifications

Electrical endurance	operating cycles	300
Mechanical endurance	operating cycles	2000
Degree of protection from front side, built-in device, cover closed		IP20
Connection cross-section		Cu/0.75 ÷ 25 mm ² (2 x 6 ÷ 16 stranded in the same size)
Torque		2 ÷ 2.5 Nm
Operating ambient temperature	t	-5 ÷ +35 °C
Max. sea level		2000 m
Seismic resistance according to VE ŠKODA		3 g/8 ÷ 50 Hz
Overtoltage category/Rated voltage		I(II*)/690 V a.c., II(III*)/500V a.c., III/400V a.c.
Standards		IEC 60947-1, -3
Approval marks		

* For underground cable distribution systems with overvoltage protection or for exposure to a low thunderstorm electricity (table H2 EN 60947-1, IEC 60947-1).

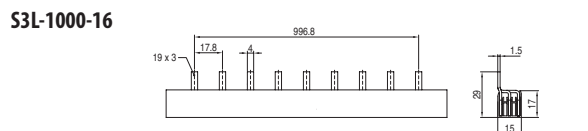
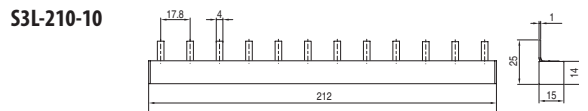
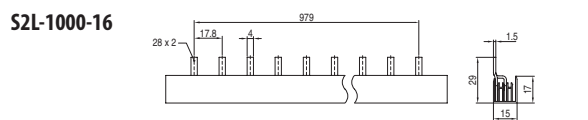
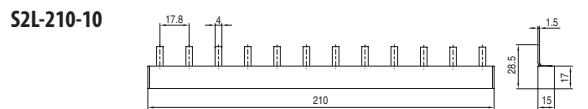
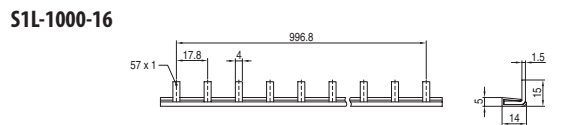
EN 60947-3 ed. 2/A2, p. C.5 Instructions for the use of 1-pole controlled devices states:

These devices are intended for distribution systems, with possible necessity of switching and/or safe disconnection of individual phases, and must not be used for switching a primary circuit of a three-phase equipment.

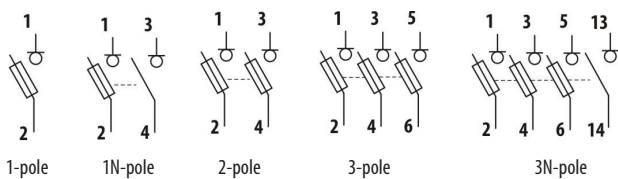
Neutral pole

		OPVA10-N
Rated operating current	I_e	32 A
Thermal current with disconnecting link ZPV10	I_{th}	100 /25 mm ²
Utilization category of the neutral pole at I_e		AC-20B
Rated short-time withstand current	I_{cw} 1 s	1.6 kA
Rated short-circuit making capacity at 690 V a.c.	I_{cm} [kA]	3.5 kA
Rated short-circuit making capacity at 440 V d.c.	I_{cm} [kA]	4 kA
Power losses with disconnecting link at I_e	P_v [W]	4.5 W
Connection cross-section		0.75 ÷ 25 mm ²

Interconnecting busbars



Diagram



Dimensions

