Fuse switch-disconnector FH00 is intended fuse-links with blade contacts size 000 and 00. It enables safe disconnection not only of rated current, but also overcurrent up to octuple rated current. A version of this switch-disconnector enables

- It is equipped with a label for description of the protected circuit.
- Measuring holes in the cover.
- Basic version with terminal inbus screws M8 for cable lugs max.. ø 27 mm.
- Connecting sets with terminal inbus screws.
- Variability of connecting sets.
- It is possible to lock the switch-disconnector cover.

remote signalling of fuse state, in each pole separately using standard visual status indicators of the fuse-links with blade contacts.

- Directly on the panel by means of screws.
- On busbars with spacing 60 mm by means of adapter.
- More switch-disconnectors "side-by-side" or "flat" can be installed without limitation of electrical parameters.
- This product has been developed thanks to financial support from state budget through the Ministry of Industry and Trade.

Fuse switch-disconnectors up to 160 A

Туре	Product code	Version	Weight [kg]	Packing [pcs]
FH00-1A/F	18621	1-pole, basic version with terminal inbus screws M8	0.270	1

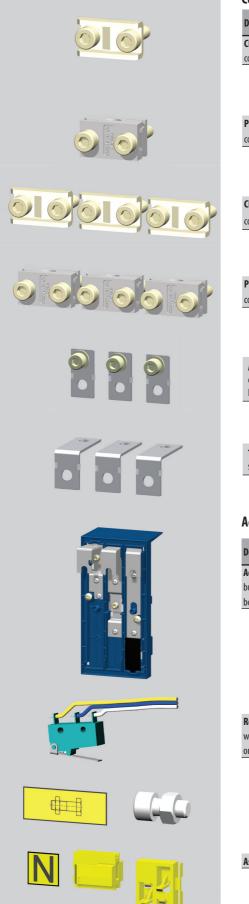
		1-pole, with fuse state signalling, connector with 1 m cable,		
FH00-15/F	18623	switch-disconnector cover with signalling can be ordered as a spare part,	0.287	1
		connection by terminal inbus screws M8		

FH00-3A/F	18622	3-pole, basic version with terminal inbus screws M8	0.690	1
FH00-3A/F	10022	5-pole, basic version with terminal linbus screws mo	0.090	1

connection by terminal inbus screws M8	FH00-35/F	18624	3-pole, with fuse state signalling, connector with 1 m cable, switch-disconnector cover with signalling can be ordered as a spare part, connection by terminal inbus screws M8	0.712	1
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		3-pole, with fuse state signalling, connector without cable,		
FH00-3SB/F	18625	this version enables any connection according to the user needs,	0.700	1
		connection by terminal inbus screws M8		

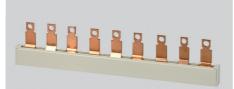
		3-pole, connection by terminal inbus screws M8, with light indication		
FH00-3L/F	20767	of fuse state; fuse blowing is signalled by flashing red LED;	0.718	1
		if the fuse is not blown, the red LED does not light		



Connecting sets				
Description	Туре	Product code	Weight [kg]	Packing [pcs]
Clip terminal for 1-pole switch-disconnector FH00-1./F, connection of Cu conductors of cross-section 2.5 ÷ 50 mm ² , torque 3 Nm	CS-FH00-1S	18626	0.018	1
Prismatic clamp for 1-pole switch-disconnector FH00-1./F, connection of Cu/Al conductors of cross-section $10 \div 95 \text{ mm}^2$, torque 2.5 Nm	CS-FH00-1P1	18628	0.044	1
Clip terminals - set of 3 pieces for 3-pole switch-disconnector FH00-3./F, connection of Cu conductors of cross-section 2.5 ÷ 50 mm ² , torque 3 Nm	CS-FH00-3S	18627	0.054	1
Prismatic clamps - set of 3 pieces for 3-pole switch-disconnector FH00-3./F, connection of Cu/Al conductors of cross-section $10 \div 95 \text{ mm}^2$, torque 2.5 Nm	CS-FH00-3P1	18629	0.132	1
Adapter - set of 3 pieces for connection of cable lugs outside the connection space of the witch-disconnectors FH00 It is recommended to use the connection space covers, torque $2.5 \div 3$ Nm	CS-FH00-3N	20764	0.051	1
Terminals for rear connection - set of 3 pieces for 3-pole switch-disconnector FH00-3./F, torque 2.5 ÷ 3 Nm	CS-FH00-3Z	20765	0.077	1
Accessories				
Description	Туре	Product code	Weight [kg]	Packing [pcs]
Adapter for busbars with spacing 60 mm, busbar thickness 5 ÷ 12 mm, busbar width 12 ÷ 32 mm, for 3-pole switch-disconnector FH00-3./F, bottom or top cable outlet, mounting width 89 mm	OD-FH00-AL60	18630	0.354	1
Remote signalling of the fuse switch-disconnector cover position,	OD-FH-SK	12929	0.038	1
with 1 m cable, possibility of mounting up to 2 signalling		1/4/4	111138	

Assembly kit for assembling 2-pole or 4-pole switch-disconnector OD-FH00-SS24 18631

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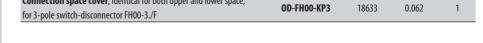
Accessories

Description	Туре	Number of connected	Product code	Weight [kg]	Packing [pcs]
Busbars, for 3-pole switch-disconnectors,	CS-FH00-3L2	2	34394	0.91	1
one busbar module is used for	CS-FH00-3L3	3	34395	1.61	1
power supply.	CS-FH00-3L4	4	34396	2.31	1
For detailed information see page E14	CS-FH00-3L5	5	34397	3.01	1

Description	Туре	Product code	Weight [kg]	Packing [pcs]
Connection space cover, identical for both upper and lower space, for 1-pole switch-disconnector FH00-1./F	OD-FH00-KP1	18632	0.013	1

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Connection space cover, identical for both upper and lower space,

Barrier against accidental contact for FH00-3...

OD-FH00-Z3

18634

0.016

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Front shield for FH00-3 OD-FH00-KR 18635 0.026 1
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Spare parts

Description	Туре	Product code	Weight [kg]	Packing [pcs]
Cover without fuse state signalling, 1-pole, size 00	ND-FH00-V1	33722	0.083	1
Cover without fuse state signalling, 3-pole, size 00	ND-FH00-V3	33721	0.23	1
Cover with fuse state signalling, 1-pole, includes cable with connector	ND-FH00-VS1	18680	0.1	1
Cover with fuse state signalling, 3-pole, includes cable with connector	ND-FH00-VS3	18681	0.238	1
Cover with light indication of fuse state, 3-pole	ND-FH00-VL3	33510	0.279	1
Connector for 1-pole switch-disconnector with remote signalling of fuse state, without cable, with 3 pins	ND-FH-SZ10	33519	0.028	1
Connector for 1-pole switch-disconnector with remote signalling of fuse state, with 3-core cable	ND-FH-SZ13	33520	0.045	1
Connector for 3-pole switch-disconnector with remote signalling of fuse state, without cable, with 9 pins	ND-FH-SZ30	33521	0.038	1
Connector for 3-pole switch-disconnector with remote signalling of fuse state, with 9-core cable	ND-FH-SZ39	33522	0.055	1

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OEZ
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Parameters			
Туре			FH00
Rated operating voltage	U _e		690 V
Rated operating current	ļ		160 A
	C. C	400 V a.c.	AC-23B
Utilization category *		500 V a.c.	AC-22B
Still Zation Category		690 V a.c.	AC-21B
n i		250 V d.c.	DC-22B
Thermal current with fuse-link	l _{th}		160 A
hermal current with disconnecting knife ZP000	l _{th}		250 A
Rated frequency	f		$40 \div 60 \text{ Hz}$
tated insulation voltage	U		1000 V a.c.
		400 V a.c./160 A	120 kA
Rated conditional short-circuit current	l _{cc}	500 V a.c./160 A	50 kA
		690 V a.c./160 A	50 kA 12 kV for FH00A/.
Rated impulse withstand voltage	U _{imp}		8 kV for FH00S/.
accompasse waistand voltage	Uimp		12 kV for FH00-3L/.
Rated short-time withstand current	l _{cu} 1s		5 kA
Rated short-circuit making capacity at 400 V a.c.	l _{cm}		16 kA
-use-link size			000, 00
Nax. power losses of the fuse-link	P _v		12 W
Power losses at In without fuse-link	P		7W
lectrical durability	operating cycles		300 at 100 A
•	,		200 at 160 A
Aechanical durability	operating cycles		2000
Degree of protection from the front side, built-in device, cover closed			IP 20
Degree of protection from the front side, built-in device, cover open or removed			IP 20
perating ambient temperature			- 25 ÷ + 55 ℃
lititude above sea level max.			2000 m
Pollution degree			3
ivervoltage category for 690 V a.c.			IV
eismic resistance per VE ŠKODA			$0.25 \div 50 \text{ Hz/3g}$
orque of output terminals			2.5 ÷ 3 Nm
Standards			IEC 60947-1, -3
, anuar us			EN 60947-1, -3
Approval marks			
approval marks			して

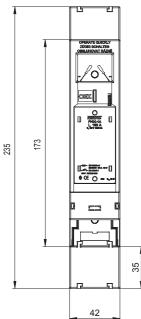
* In use of disconnecting knives ZP000 in the switch-disconnectors the utilization category is decreased by one degree.

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.

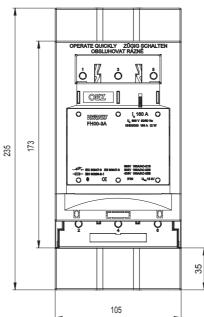
Dimensions

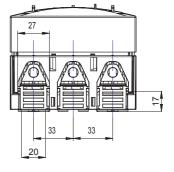
Switch-disconnector FH00-1A/F



Switch-disconnector FH00-3A/F and FH00-3L/F

Switch-disconnector FH00-3A/F and FH00-3L/F

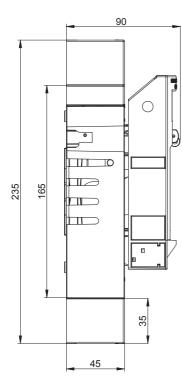


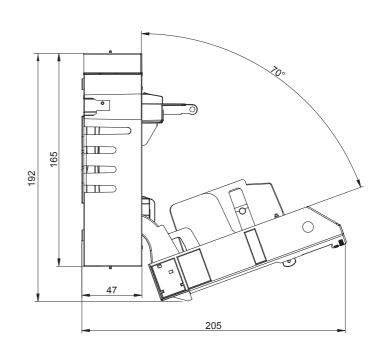


Dimensions

Switch-disconnector FH00-3A/F, FH00-1A/F and FH00-3L/F

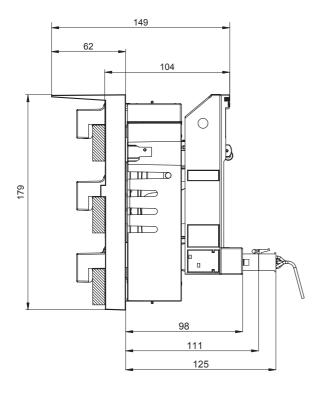
Switch-disconnectors FH00-3A/F, FH00-1A/F and FH00-3L/F in open position

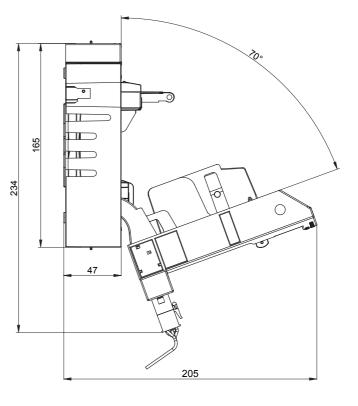




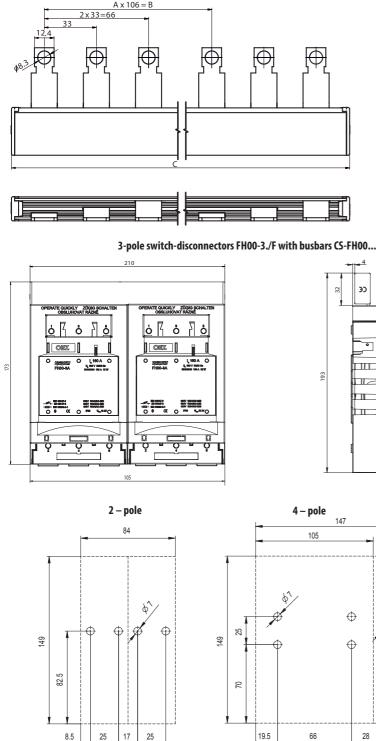
Switch-disconnectors FH00-3...

Switch-disconnectors FH00-3S/F and FH00-1S/F in open position





Busbars CS-FH00... for connection of 2, 3 or 4 of 3-pole switch-disconnectors FH00



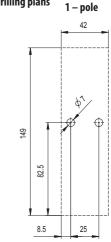
Dimensions Туре A B C [number] [mm] [mm] CS-FH00-3L2 1 106 210 2 212 315 CS-FH00-3L3 420 CS-FH00-3L4 3 318 30.3 4 424 525 CS-FH00-3L5 Busbar cross-section 50 mm

Power supply by a cable with cable lug - connection cross-section max.120 mm² Cu/Al Max. busbar current 250A for version CS-FH00-3L2 and CS-FH00-3L3 Max. busbar current 160A for version CS-FH00-3L4 and CS-FH00-3L5

Max. individual current taking 160A/phase

Dimensions

Clearance and drilling plans



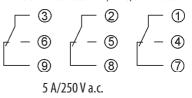


Light indication of fuse state in 3-pole fuse switch-disconnector

fuse is not blown, the red LED does not light.

Remote signalling of fuse state in 3-pole fuse switch-disconnector

State of contacts with not blown fuse-link: fuse not blown - contacts 1 - 7, 2 - 8, 3 - 9 closed



0.2 A/250 V d.c.

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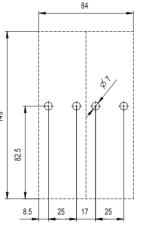
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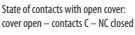
Remote signalling of fuse state in 1-pole fuse switch-disconnector

State of contacts with not blown fuse-link: fuse not blown - contacts 1 - 3 closed



5 A/250 V a.c. 0.2 A/250 V d.c.







0.2 A/250 V d.c.

Fuse blowing is signalled by flashing red LED, if the

Rated voltage 24 - 400 V a.c. 24 - 450 V d.c.

CONDITIONS FOR USE OF FUSE-LINKS IN FUSE SWITCH-DISCONNECTORS

Use of fuse-links with blade contacts P51R06 in the fuse switch-disconnector FH00

Fuse-link	Cross-section of Cu conductor [mm²]	Reduced rated current [A]
P51R06 6A	1÷4	6
P51R06 10A	1÷6	10
P51R06 16A	1.5 ÷ 10	16
P51R06 20A	1.5 ÷ 10	20
P51R06 25A	1.5 ÷ 16	25
	2.5 ÷ 4	28
P51R06 32A	6 ÷ 10	30
	16 ÷ 25	32
	$2.5 \div 4$	28
P51R06 40A	6 ÷ 10	30
	16 ÷ 25	32
	6 ÷ 10	40
	16	42
P51R06 50A	25	47
	35 ÷ 50	50
	6 - 10	45
	16	47
P51R06 63A	25÷35	50
	50	53
	70	60
	6	55
	10	58
	16	60
P51R06 80A	25 ÷ 35	64
	50	68
	70	75
	95	79
	16	68
	25÷35	72
P51R06 100A	50	77
	70	85
	95	90
	16	80
	25	85
DE1D06 1354	35	87
P51R06 125A	50	90
	70	100
	95	105
	16	97
	25 ÷ 35	100
P51R06 160A	50	110
	70	120
	95	125