

**Niskonapetostne energetske razvodnice tipa PV-..****➤ Protieksplzijska zaščita**

- I M2 Ex eb I
- I M2 EX ia I
- I M2 Ex eb [ia] I

Temperatura okolice

-20°C do +40°C

Certifikati

OBAC 06 ATEX 455

➤ Tehnični podatki**Nazivna napetost**

660 V in 1100 V

Mehanska zaščita

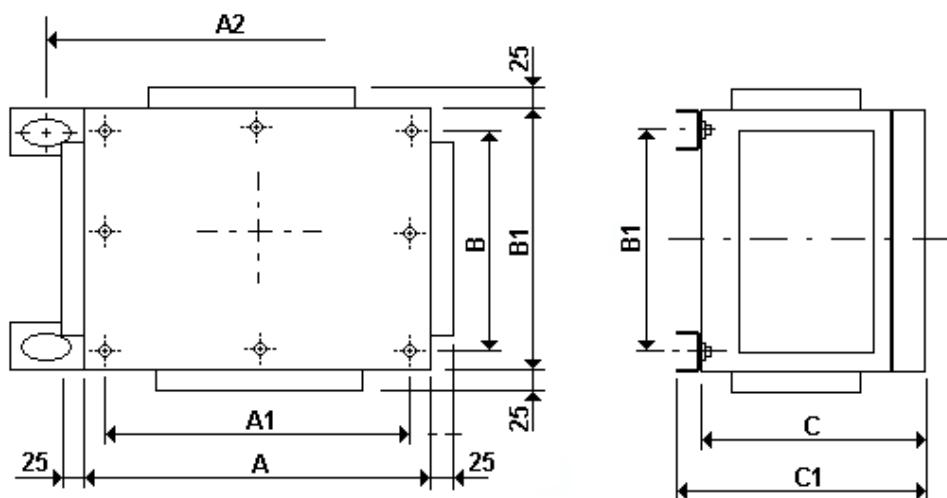
IP 66

Material ohišja

jeklena pločevina (3 mm)

Podatki za priključne nastavke – max. št. vodnikov (mm²)

	Polni vodnik	Večžilni vodnik	Finožilni vodnik
PN 16 80 A / 660 V	/	2 × 16	2 × 16
	3 × 10	3 × 10	3 × 10
	4 × 6	3 × 6	3 × 6
	5 × 4	4 × 4	4 × 4
	6 × 2,5	5 × 2,5	5 × 2,5
PN 185 440 A / 660 V	/	3 × 185	3 × 185
	/	5 × 150	4 × 150
	3 × 120	5 × 120	5 × 120
PN 70 225 A / 660 V	/	2 × 70	2 × 70
	3 × 50	3 × 50	2 × 50
	4 × 35	3 × 25	3 × 35
	5 × 25	4 × 25	4 × 25
	6 × 16	6 × 16	6 × 16
PN 120 330 A / 660 V	3 × 95	3 × 95	3 × 95
	4 × 70	4 × 70	4 × 70
	5 × 50	5 × 50	5 × 50
	6 × 35	6 × 35	6 × 35
PN 120/1 330 A / 1000 V	7 × 25	7 × 25	7 × 25

**Dimenzije**

Tip	A	B	C	A1	A2	B1	B2	Nastavki uvodov			
								TSL-0	TSL-1	TSL-2	TSL-3
PV – 01R	120	/	85	/	/	122	/	/	/	/	/
PV – 1R	315	240	195	280	350	200	205	2×	/	2×	/
PV – 2R	365	315	210	230	400	280	220	/	/	4×	/
PV – 3R	485	315	210	350	520	280	220	/	/	2×	2×
PV – 4R	725	315	210	590	760	280	220	/	/	4×	/

**Izvedbe**

Tip	Prijključne sponke		Nazivni tok razvodnic	Max. število uvodnic na eni strani		
	Tip	Max. število		Re / Pg	A / B	C / D
PV – 01R	PN 16	4	80	7	4	4
				9		
				11		
				13,5		
				16		
				21		
				29		
				36		
PV – 1R	PN 16 PN 70 PN 70 + PN 16	12 4 4 + 4	225	16	6	3
				21		
				29		
				36		
				42		
				48		
				64		
				80		
PV – 2R	PN 16 PN 70 PN 120 PN 12071 PN 120 + PN 16 PN 120/1 + PN 16	24 8 4 4 4 + 6 4 + 6	260	16	6	6
				21		
				29		
				36		
				42		
				48		
				64		
				80		
PV – 3R	PN 16 PN 185 PN 185 + PN 16	36 4 4 + 4	370	16	11	6
				21		
				29		
				36		
				42		
				48		
				64		
				80		

4 × PN 120

PV – 2R

Primer naročila:

PV – 2R – 4 × PN 120

Uvodnice: stran A – 1 × Pg 42

stran B – 1 × Pg 42

Strani uvodov:

A
C D
B



Flameproof distribution box (straight through type) type OSR

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Flameproof distribution box (straight through type)

Properties

- available in 2 dimensions,
- rated voltage to 1140V,
- connecting terminals up to 95mm²,
- ingress protection IP54.

Description

Flameproof distribution box type OSR *.* is intended for connection and branching of electric circuits lead using cable-type conductors or cables. It is equipped with cable inlets and connection terminals. OSR *.* box is intended for operation in zones where methane and/or coal dust (group I) explosion hazard is present, and in zones where gas and dust included in group IIA are present. Enclosure of distribution box is an autonomous cover in flameproof execution. Thanks to a compact and massive construction it can be used in harsh operation conditions without necessity to use additional mechanical covers.

Cable inlets are fastened on two opposite walls of flameproof distribution box.

Explosion-proof protection

Marking

- ⊕ I M2 Ex d [ia, ib, ic] I
- ⊕ II 2GD Ex d [ia, ib, ic] IIA T6

Ambient temperature

-20°C to +40°C

CE Type Examination Certificate

OBAC 08 ATEX 257

Rated data

Ingress protection

IP54

Supply voltage

Max. 1140V

Dimensions

OSR 1.* 250+L* x 270 x 110 mm

OSR 2.* 250+L* x 270 x 150 mm

L* - length of cable inlet

Selection chart

Depth of enclosure	code	Rated voltage	code	Terminals selection				
				Type of box	Size of terminal (mm ²)	Max number of terminals (voltage to 690V)	Max number of terminals (voltage to 1140V)	Load current (A) of current circuit
110 mm	1	250 V	1	OSR 1.* OSR 2.*	2.5	29	---	21
150 mm	2	500 V	2		4	23	8	28
		690 V	3		6	17	---	36
		1000 V	4		10	14	---	50
		1140 V	5		16	11	8	66
				OSR 2.*	35	9	6	109
					6	17	14	41
					50	7	---	137
					70	7	---	167
					95	6	---	200

Code: OSR * . * - * * / * *

Maximum number of cable inlets on wall			
Type of box	M20x1.5 M25x1.5 M32x1.5	M36x1.5 M40x1.5	M50x1.5 M63x1.5
OSR 1	4	3	0
OSR 2	5	3	2

Diameters of choking of cable inlets
The following items should be specified in order or query: external diameters of conductors.



Distribution box (straight through type) type 07-51**

BARTEC

Distribution boxes (straight through type) type 07-51...

Properties

- connection and branching of supply, control and signaling cables and conductors,
- connection of lighting system, equipment or sensors,
- possibility to use in intrinsically safe circuits,
- polyester enclosure ensuring mechanical resistance 7Nm,
- special closure of enclosure thanks to use of captive screws,
- ingress protection at least IP 65.

Explosion-proof safety

Marking

- Ex I M1 Ex ia I
- Ex II 2GD Ex e II T6, T5
- Ex II 2G Ex e ia IIC T6, T5

Ambient temperature

-55°C to +55°C

CE Type Examination Certificate

OBAC 05 ATEX 008

PTB 08 ATEX 1064

Rated data

Ingress protection

IP65

Supply voltage

250V AC / DC

Maximum cross-section of wire

10mm²

Description

Distribution boxes (straight through type) type 07-51...-.../... are intended for connection and branching of lead in and lead out cables and conductors using certified connection terminals. Enclosure is made of polyester reinforced with glass fibre. Cover of the enclosure is screwed to the base using captive screws, which are special locking. Gasket, in form of cord, located in the groove in cover, ensuring ingress protection IP65, is located between cover and base. Assembly of box to the floor is made using assembly screws located in the channels, lying outside the volume sealed by the gasket.

Intrinsically safe distribution boxes (straight through type) type 07-5105-.../... meet the requirements of the explosion-proof equipment and can be used as group I category M1 equipment.

Selection chart

Execution	Code	Dimen- sions	Code	number of ter- minals	Terminals type	Code	number of PE terminals						
Ex e	03	80x75x55	0800/7555	Specify number	Terminal UK 2,5 Phoenix (2.5mm ²)	2,5	Specify number						
		110x75x55	1100/7555										
		160x75x55	1600/7555										
		190x75x55	1900/7555										
		122x120x90	1221/2090										
	122x120x120	1221/2012											
Ex i	05	220x120x90	2201/2090			Terminal UK 4 Phoenix (4mm ²)		4					
		160x160x90	1601/6090										
		160x160x120	1601/6012										
		260x160x90	2601/6090										
		360x160x90	3601/6090										
IP	78	560x160x90	5601/6090					Terminal UK 6 Phoenix (6mm ²)		6			
		200x250x120	2002/5012										
		255x250x120	2552/5012										
		255x250x160	2552/5016										
		400x250x120	4002/5012										
non-ATEX	95	400x250x160	4002/5016							Terminal UK 10 Phoenix (10mm ²)		10	
		400x405x120	4004/0512										
		400x405x160	4004/0516										
		600x250x120	6002/0512										

Code: 07-51 - - - - - / - - - - - - - - - - PE



Through-distribution box type 07-51**

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Below table presents the maximum of cable inlets possible for installation in wall of the box

IP Box 07-5178-..../....

Ex e Box 07-5103-..../....

Ex i Box 07-5105-..../....

Method of marking of box walls											
Catalogue number	Wall	M 12 x 1,5 (2-6 mm)	M 16 x 1,5 (4-8 mm)	M 16 x 1,5 (5-10 mm)	M 20 x 1,5 (6,5-12mm)	M 20 x 1,5 (10-14mm)	M 25 x 1,5 (13-18mm)	M 32 x 1,5 (18-25mm)	M 40 x 1,5 (22-32mm)	M 50 x 1,5 (32-38 mm)	M 63 x 1,5 (37-44mm)
07- -0800/7555	A/B C/D	4 1	2 1	2 -	2 -	1 -	1 -	- -	- -	- -	- -
07- -1100/7555	A/B C/D	6 1	4 1	3 -	3 -	2 -	2 -	- -	- -	- -	- -
07- -1600/7555	A/B C/D	12 1	6 1	5 -	4 -	4 -	3 -	- -	- -	- -	- -
07- -1900/7555	A/B C/D	15 1	8 1	6 -	5 -	5 -	4 -	- -	- -	- -	- -
07- -1221/2090	A/B C/D	13 4	9 4	5 2	5 2	4 2	3 1	2 1	1 1	1 -	- -
07- -1221/2012	A/B C/D	13 4	9 4	5 2	5 2	4 2	3 1	2 1	1 1	1 -	- -
07- -2201/2090	A/B C/D	28 4	18 4	12 2	11 2	10 2	5 1	3 1	3 1	2 -	- -
07- -1601/6090	A/B C/D	18 8	14 8	8 5	8 4	6 4	4 2	2 2	2 1	1 -	- -
07- -1601/6012	A/B C/D	18 8	14 8	8 5	8 4	6 4	4 2	2 2	1 1	1 -	- -
07- -2601/6090	A/B C/D	33 8	26 8	17 5	14 4	12 4	7 2	4 2	3 1	3 -	- -
07- -3601/6090	A/B C/D	48 8	38 8	24 5	20 4	18 4	10 2	6 2	5 1	4 -	- -
07- -2552/5012	A/B C/D	53 12	34 12	23 10	20 8	18 8	9 4	7 3	4 2	3 2	2 2
07- -2552/5016	A/B C/D	53 12	34 12	23 10	20 8	18 8	9 4	7 3	4 2	3 2	2 2
07- -4002/5012	A/B C/D	88 12	58 12	38 10	35 8	30 8	17 4	13 3	6 2	5 2	4 2
07- -4002/5016	A/B C/D	88 12	58 12	38 10	35 8	30 8	17 4	13 3	6 2	5 2	4 2
07- -4004/0512	A/B C/D	88 26	58 20	38 16	35 14	30 10	17 6	13 4	6 2	5 4	4 3
07- -4004/0516	A/B C/D	135 42	89 38	58 34	53 30	46 24	26 8	20 5	9 3	7 6	4 4
07- -6002/5012	A/B C/D	130 12	84 12	56 10	52 8	46 8	24 4	18 3	10 2	6 2	4 2