

Explosion-proof control and alarm panels SERIES SHUS-VEL, 1ExdIIBT5,
 1ExdIICT5, 2ExedIIBT5, 2ExedIICT5, RP ExedI, RV ExdI



Application

Explosion-proof control and alarm panels series SHUS are designed for control of distribution and switching of electric power networks for different purposes (lighting, power, security and automation), alarm parameters and modes of operation of these networks, as well as their protection in hazardous areas of the coal, chemical, oil, gas and other industries in which, according to the operating conditions, formation of explosive mixtures of gases and vapors with air, classified as Category I, IIA, IB, IIC and groups T1-T5.

Features and Benefits

Explosion-proof control and alarm panels series SHUS made on the basis of four types of series membranes with varying degrees of protection for cable entry into the shell panels are equipped, **by request**, cable glands and the required type in the required amount. Completion of equipment embedded in the membrane is carried by the customer. It gives a great opportunity to use panels SHUS.

Technical Specifications

Name of specification	Meaning
Supply voltage, V - instance variables 50/60 Hz - constant current	from 12 to 1140 from 12 to 660
The range of rated currents of automatic circuit breakers, A Number of automatic switch poles	from 0,2 to 630 from 1(1+N) to 4

Magnetic starter rated current range, A	from 1 to 630
Thermal relay setting current range, A	from 0,2 to 630
Commutation relay contact number	up to 10 NO+NC
Electric fuses rated current range, A	from 0,1 to 400
Button contact number	1NO+1NC or 2NO or 2NC
Commutation switch pole number	up to 5
Max. commutation current, A	up to 63
Max. clamp current, A	up to 630
Max. current range, measured by ammeter, A	up to 630
Max. voltage range, measured by voltmeter, V	up to 1140
Entered cables diameter range, mm	from 5 to 75
Ambient temperature °C, for SHUS with explosion protection marking: 1ExdIIBT5, 1ExdIICT5, 2ExedIIBT5, 2ExedIICT5 RP ExdI, RV ExdI	from -60°C to +55°C from -40°C to +55°C
Cabinets are earthquake-proof as per MK-64	up to 9 points
Ingress Protection for SHUS with explosion protection marking: 1ExdIIBT5, 1ExdIIOT5, 2ExedIIBT5, 2ExedIIOT5 RP ExdI, RV ExdI	IP65 IP66

Design

Explosion-proof control and alarm panel are made in four versions: SHUSA-VEL, SHUSN-VEL, SHUSP-M and SHUSA-M in the four cases accordingly: OEAA-VEL, OEAN-VEL, OEAP and OEAM. The panels are supplied complete on customer's demand: with automatic switches, magnetic starters with thermal relay and without it, intermediary and other relays, electric fuses, control buttons, indicator lamps (LED), switches, terminals and other control devices and information indication, cable entries and connectors.



Catalog Number Logic

SHUSX1-VA X2/X3(X4)-PM X5/X6-RT X7/X8-R() X9-PP X10/X11-K X12/X13-IX14/X15-GN X16-A X17 - V X18-Z X19/X20-X21X22(X23)-X24

X1 - index specified on the case standard version:

A-VEL-made out of aluminum alloy based on enclosure OEAA-VEL-IIB having explosion protection marking ExdIIBU or ExdIU,

C-VEL- made out of zinc-aluminum alloy based on enclosure OEAC-VELIIB having explosion protection marking ExdIIBU or ExdIU,

A-VEL-made out of aluminum alloy based on enclosure OEAA-VEL-IIC or made our of rolled steel based on the enclosure OEAA-VEL-IIC with anti-corrosive coating having explosion protection marking ExdIICU or ExdIU,

N-VEL-made out of stainless steel based on enclosure OEAN-VEL,

S-VEL- made out of anti-corrosive coated steel with marking ExellU or ExdIIU;

P-M-made our of plastic based on enclosure OEAP with marking ExellU;

A-M - made out of aluminum alloy, based on enclosure OEAM having marking ExelU/ExellU; cases with marking ExemIIU are used for the heated panels; cases with additional letter O after the main case marking are used for the panels with observation window; SHUSA-VEL-O

VA - index, specifying availability of automatic switches;

AVP - index, specifying that the automatic reserve entry are installed in the control panel; **X2** - rated breaking current A and characteristics of switching off for automatic switch B, C, D, K, Z, L when using UZO instead of an automatic switch, additionally in brackets see leakage current mA; In case of AVP installation, the entry rated current of automatic switches should be marked

X3– number of automatic switches;

X3– number of automatic switch poles;

PM– index specifying availability of magnetic starter;

X5– magnetic starter rated current A;

X6– number of magnetic starters;

PT - the use of the thermal relay;

X7- thermal relay setting current A; Marking the range, the value is pointed in brackets;

X8 - **X8**– number of thermal relays;

R - index specifying availability of commutation (intermediary) relays (number of nonbridging contacts groups);

X9– number of commutation (intermediary) relays;

PP- index specifying availability of electric fuses;

X10- number of electric fuses;

Rated current of electric fuse;

K– index specifying availability of buttons;

X12– button P type - start (green by default, black, blue, yellow buttons on demand), S - stop (red button);

By default "STOP" buttons are installed with self-locking mechanism, if "STOP" button is required without self-locking mechanism, add after the button type (without s/l);

X13– number of buttons;

I– index specifying availability of indicator lamps;

X14– color of indicator and voltage (12 V, 24 V, 36 V, 127 V, 220 V, 380 V), K- red

L– green

J– yellow

S- blue;

X15– number of indicator lamps;

GN- index specifying availability of ExGN type commutation switch;

X16– switch commutation diagram code;

A– index specifying the use of ammeter;

X17- max value of ammeter range. If current transformers are required, the value of the latter shall be specified via slash after the max. range value.

X17- max value of ammeter range.

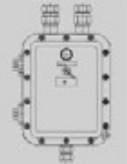



Z– index specifying availability of terminals. By default screw terminals are installed. If spring clamps are required add P letter to Z index.

X19 - rated current of the used terminals;
X20 - number of terminals;
X21– VK or VK-VEL type of cable glands as per entries number logic;
X22 - number of cable entries;
X23 - cable entries installation side A, B, C, D;
X24 - explosion protection marking: 1ExdIIBT5, 1ExdIICT5, 2ExedIIBT5, 2ExedIICT5, RV ExdI, RP ExedI;
 For cabinet designation it is possible to specify the elements necessary to be installed, omitting designation of non-required elements.

An example of order designation for control and alarm cabinet, explosion-proof type, SHUSA-VEL in aluminum alloy enclosure OEAA-VEL-IIB with one three pole automatic switch 3R63B for rated current 63A with protection characteristic C, three one pole automatic switches for current 16A with protection characteristic C, two magnetic starters for current 25A, two thermal relays with seating current from 18A to 23A, two START buttons, two STOP buttons, two green signal lamps, 4 screw terminals for current 63A, 14 screw terminals for current 25A, one nickel-plated brass cable entry for armored cable diameter from 14 mm to 30 mm from A side, five nickelplated brass cable entries for armored cable diameter from 11 mm to 23 mm from C side, explosion protection marking 1ExdIIBT5, IP65, placement category 1:

SHUSA - VEL - VA63C/1(3) - VA16C/3(1) - PM25/2 - RT23/2 - KP /2 - KS /2 - IL/2 - 363/4 - 325/14 -VK-L-VEL2B-M32x1(A) - VK-L-VEL2B-M25x5(C) - 1ExdIIBT5 - IP65.

Correspondence table. SHUS panels designed to be placed in the first and second explosive areas, in relation to the standard lighting panel SCHOV

SCHOV standard version (control handle for every automatic switch)	SHUSA-VEL* standard version (control handle for every automatic switch)				SHUSN-VEL** or SHUSS-VEL** standard version (control handle for every automatic switch)			
	Enclosure standard size	Drawing version	Overall dimensions, BxHxD, mm	SHUSA-VEL* standard version	Enclosure standard size	Drawing version	Overall dimensions, BxHxD, mm	SHUSN-VEL standard version marking
SCHOV-OYUOD	OEAV-VEL4.2		316x466x312	SHUSA-VEL4.2-VA63C/1(3)-IL/1-3 124/10-3 41/5-L-2BM-M40x2(B)-L-2BM-M32x1(D)-1ExdIIBT5	OEAN-VEL7.2		273x464x230	SHUSN-VEL7.2-VA63C/1(3)-IL/1-3 124/10-L-1BM-M40x1(D)-L-1BM-M40x1(D)-L-1BM-M32x1(D)-2ExdIIBT5
	OEAA-VEL7.1		570x580x335	SHUSA-VEL7-VA63C/1(3)-IL/1-3 124/10-3 41/5-L-2BM-M40x2(C)-L-2BM-M32x1(C)-1ExdIIBT5	OEAS-VEL7.2			SHUSS-VEL7.2-VA63C/1(3)-IL/1-3 124/10-L-1BM-M40x1(D)-L-1BM-M32x1(D)-2ExdIIBT5
SCHOV-0200D	OEAV-VEL4.2		316x500x312	SHUSA-VEL4.2-VA25C/2(3)-IL/2-3 124/10-3 41/10-L-2BM-M40(V)-L-2BM-M40x1(D)-L-2BM-M25x2(D)-1ExdIIBT5	OEAN-VEL9.2		453x536x230	SHUSN-VEL9.2-VA25C/2(3)-IL/2-3 124/10-3 41/10-L-2BM-M40(B)-L-1BM-M40x1(D)-L-1BM-M25x2(D)-2ExdIIBT5
	OEAA-VEL7.1		570x580x335	SHUSA-VEL7-VA25C/2(3)-IL/2-3 124/10-3 41/10-L-2BM-M40x2(C)-L-2BM-M25x2(C)-1ExdIIBT5	OEAS-VEL9.2			SHUSS-VEL9.2-VA25C/2(3)-IL/2-3 124/10-3 41/10-L-2BM-M40(B)-L-1BM-M40x1(D)-L-1BM-M25x2(D)-2ExdIIBT5



EXPLOSION-PROOF CONTROL AND ALARM PANELS SERIES
 SHUS-VEL, 1ExdII BT5, 1ExdII CT5, 2ExedII BT5, 2ExedII CT5,
 RP ExedI, RV ExdI












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SCHOV-100B	OEAV-VEL4.2		316x500x312	SHUSS-VEL9.2-VA16C/3(1)-IL/3-3 124/10-3 32/9-L-2BM-M40x1(B)-L-2BM-M40x1(D)-L-2BM-M25x3(D)-1ExdII BT5	OEAN-VEL9.2		453x536x230	SHUSN-VE9.2-VA16C/3(1)-IL/3-3 124/10-3 41/9-L-2BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x3(D)-2ExdII BT5
	OEAA-VEL7.1		570x580x335	SHUSA-VEL7-VA16C/3(1)-IL/3-3 124/10-3 32/9-L-2BM-M40x2(C)-L-2BM-M25x3(C)-1ExdII BT5	OEAS-VEL9.2			SHUSS-VEL9.2-VA16C/3(1)-IL/3-3 124/10-3 41/9-L-2BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x3(D)-2ExdII BT5
SCHOV-1000D	OEAV-VEL4.2		316x500x312	SHUSA-VEL9.2-VA25C/3(1)-IL/3-3 124/10-3 32/9-L-2BM-M40x1(B)-L-2BM-M40x1(D)-L-2BM-M25x3(D)-1ExdII BT5	OEAN-VEL9.2		453x536x230	SHUSN-VEL9.2-VA25C/3(1)-IL/3-3 124/10-3 41/9-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x3(D)-2ExdII BT5
	OEAA-VEL7.1		570x580x335	SHUSA-VEL7-VA25C/3(1)-IL/3-3 124/10-3 32/9-L-2BM-M40x2(C)-L-2BM-M25x3(C)-1ExdII BT5	OEAS-VEL9.2			SHUSS-VEL9.2-VA25C/3(1)-IL/3-3 124/10-3 41/9-L-2BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x3(D)-2ExdII BT5
SCHOV-5110B	OEAA-VEL7.1		570x580x335	SHUSA-VEL7-VA63C/1(3)-VCA16C/3(1)-IL/3-3 124/10-3 32/9-L-2BM-M40X2(C)-L-2BM-M25x3(C)-1ExdII BT5	OEAN-VEL11.2		571x654x230	SHUSN-BVEL11.2-VA25C/1(3)-VA16C/3(1)-IL/4-3 124/10-3 41/9-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x3(D)-2ExdII BT5
					OEAS-VEL11.2			SHUSS-VEI11.2-VA25C/1(3)-VA16C/3(1)-IL/4-3 124/10-3 41/9-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x3(D)-2ExdII BT5
SCHOV-110B	OEAA-VEL7.1		570x580x335	SHUSA-VEL7-VA63C/1(3)-VCA16C/3(1)-IL/4-3 124/10-3 32/9-L-2BM-M40x2(C)-L-2BM-M25x3(C)-1ExdII BT5	OEAN-VEL11.2		571x654x230	SHUSN-VEL11.2-VA63C/1(3)-VA16C/3(1)-IL/4-3 124/10-3 41/9-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x3(D)-2ExdII BT5
					OEAS-VEL11.2			SHUSS-VEL11.2-VA63C/1(3)-VA16C/3(1)-IL/4-3 124/10-3 41/9-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x3(D)-2ExdII BT5
SCHOV-5111B	OEAA-VEL7.1		570x568x335	SHUSA-VEL7-VA25C/1(3)-VCA16C/3(1)-IL/3-3 124/10-3 32/9-L-2BM-M50X2(C)-L-2BM-M25x3(C)-1ExdII BT5	OEAN-VEL11.2		571x630x230	SHUSN-BVEL11.2-VA25C/1(3)-VA16C/3(1)-IL/4-3 124/10-3 41/9-L-1BM-M50x1(V)-L-1BM-M50x1(D)-L-1BM-M25x3(D)-2ExdII BT5
					OEAS-VEL11.2			SHUSS-VEI11.2-VA25C/1(3)-VA16C/3(1)-IL/4-3 124/10-3 41/9-L-1BM-M50x1(B)-L-1BM-M50x1(D)-L-1BM-M25x3(D)-2ExdII BT5
SCHOV-111B	OEAA-VEL7.1		570x568x335	SHUSA-VEL7-VA63C/1(3)-VCA16C/3(1)-IL/3-3 124/10-3 32/9-L-2BM-M50X2(C)-L-2BM-M25x3(C)-1ExdII BT5	OEAN-VEL11.2		571x630x230	SHUSN-VEL11.2-VA63C/1(3)-VA16C/3(1)-IL/4-3 124/10-3 41/9-L-1BM-M50x1(B)-L-1BM-M50x1(D)-L-1BM-M25x3(D)-2ExdII BT5
					OEAS-VEL11.2			SHUSS-VEL11.2-VA63C/1(3)-VA16C/3(1)-IL/4-3 124/10-3 41/9-L-1BM-M50x1(B)-L-1BM-M50x1(D)-L-1BM-M25x3(D)-2ExdII BT5

EXPLOSION-PROOF CONTROL AND ALARM PANELS SERIES
 SHUS-VEL, 1ExdIIBT5, 1ExdIICT5, 2ExedIIBT5, 2ExedIICT5,
 RP ExedI, RV ExdI

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SCHOV-0210D	OEAA-VEL7.1		570×580×335	SHUSA-VEI7-VA100C/1(3)-VA25C/2(3) - IL/3-3 124/10-3 4 1/10-L-2BM-M40×2(C) - L-2BM-M25×2(C)-1ExdIIBT5				
SCHOV-200B			570×580×335	SHUSA-VEL7-VA16C/6(1)-IL/6-3 124/10-3 32/18-L-2BM-M40×2(B)-L-2BM-M25×6(C)-1ExdIIBT5	OEAN-VEL11.2		SUSN-VEL11.2-VA16C/6(1)-IL/6-3 124/10-3 41/18-L-2BM-M40×1(B)-L-1BM-M40×1(D)-L-1BM-M25×6(D)-2ExdIIBT5	
		OEAS-VEL11.2		SHUSS-VEL11.2-VA16C/6(1)-IL/6-3 124/10-3 41/18-L-2BM-M40×1(B)-L-1BM-M40×1(D)-L-1BM-M25×6(D)-2ExdIIBT5				
SCHOV-2000D				570×580×335	SHUSA-VEL7-VA25C/6(1)-IL/6-3 124/10-3 41/18-L-2BM-M40×2(C)-L-2BM-M25×6(C)-1ExdIIBT5	OEAN-VEL11.2		SHUSN-VEL11.2-VA25C/6(1)-IL/6-3 124/10-3 41/18-L-2BM-M40×1(B)-L-1BM-M40×1(D)-L-1BM-M25×6(D)-2ExdIIBT5
						OEAS-VEL11.2		SHUSS-VEL11.2-VA25C/6(1)-IL/6-3 124/10-3 41/18-L-2BM-M40×1(B)-L-1BM-M40×1(D)-L-1BM-M25×6(D)-2ExdIIBT5
SCHOV-0310D				570×580×335	SHUSA-VEL7-VA100C/1(3)-VA25C/3(3)-IL/4-3 124/10-3 41/10-L-2BM-M40×2(C)-L-2BM-M25×3(C)-1ExdIIBT5			
SCHOV-0311D				570×568×335	SHUSA-VEL7-VA100C/1(3)-VA25C/3(3)-IL/4-3 124/10-L-2BM-M50×2(C)-L-2BM-M25×3(C)-1ExdIIBT5			
SCHOV-1010D				570×580×335	SHUSA-VEL7-VA100C/1(3)-VA25C/3(3)-IL/4-3 124/10-L-2BM-M40×2(C)-L-2BM-M25×3(C)-1ExdIIBT5			
SCHOV-0410D				570×580×335	SHUSA-VEL7-VA100C/1(3)-VA25C/4(3)-IL/5-3 124/10-3 41/20-L-1BM-M40×2(C)-L-2BM-M25×4(C)-1ExdIIBT5			
SCHOV-0411D				570×568×335	SHUSA-VEL7-VA100C/1(3)-VA25C/4(3)-IL/5-3 124/10-3 41/20-L-1BM-M50×2(C)-L-2BM-M25×4(C)-1ExdIIBT5			
SCHOV-1110D			570×580×335	SHUSA-VEL7-VA100C/1(3)-VA25C/1(3)-VA16C/3(1)-IL/5-3 124/10-3 41/14-L-2BM-M40×2(C)-L-2BM-M25×4(C)-1ExdIIBT5				
SCHOV-1100D			570×580×335	SHUSA-VEL7-VA25C/1(3)-VA25C/3(1)-IL/4-3 124/10-3 41/14-L-1BM-M40×2(C)-L-2BM-M25×4(C)-1ExdIIBT5	OEAN-VEL11.2		SHUSN -BVEL11.2-VA25C/1(3)-VA16C/3(1)-IL/4-3 124/10-3 41/14-L-1BM-M40×1(V)-L-1BM-M40×1(D)-L-1BM-M25×4(D)-2ExdIIBT5	
				OEAS-VEL11.2	SHUSS-VEL11.2-VA25C/1(3)-VA16C/3(1)-IL/4-3 124/10-3 41/14-L-1BM-M40×1(V)-L-1BM-M40×1(D)-L-1BM-M25×4(D)-2ExdIIBT5			

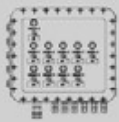
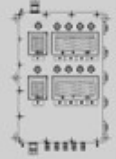
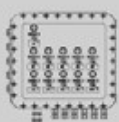
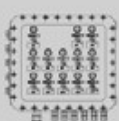



EXPLOSION-PROOF CONTROL AND ALARM PANELS SERIES
SHUS-VEL, 1ExdII BT5, 1ExdII CT5, 2ExedII BT5, 2ExedII CT5,
RP ExedI, RV ExdI

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SCHOV-1210D	OEAA-VEL7.1		570x580x335	SHUSA-VEL7-VA100C/1(3)-VA25C/2(3)-VA16S/3(1)HL/6-3 124/10-3 41/19-L-2BM-M40x2(C)-L-2BM-M25x5(C)-1ExdII BT5		453x930x230	SHUSN-VEL10.2-VA63C/1(3)-VA16C/6(1)-IL/7-3 124/10-3 41/18-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x6(D)-2ExdII BT5						
SCHOV-1211D			570x568x335	SHUSA-VEL7-VA100C/1(3)-VA25C/2(3)-VA16C/3(1)HL/6-3 124/10-3 41/19-L-2BM-M50x2(C)-L-2BM-M25x5(C)-1ExdII BT5									
SCHOV-1310D			570x580x335	SHUSA-VEL7-VA100C/1(3)-VA25C/3(3)-VA16C/3(1)HL/7-3 124/10-3 41/19-L-2BM-M50x2(C)-L-2BM-M25x6(C)-1ExdII BT5									
SCHOV-1311D			570x568x335	SHUSA-VEL7-VA100C/1(3)-VA25C/3(3)-VA16C/3(1)HL/7-3 124/10-3 41/19-L-2BM-M50x2(C)-L-2BM-M25x6(C)-1ExdII BT5									
SCHOV-2010D		570x580x335	SHUSA-VEL7-VA100C/1(3)-VA25C/6(1)-IL/7-3 124/10-3 41/18-L-2BM-M40x2(C)-L-2BM-M25x6(C)-1ExdII BT5	OEAN-VEL10.2					453x906x230	SHUSN-VEL10.2-63C/1(3)-VA16C/6(1)-IL/7-3 124/10-3 41/18-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x6(D)-2ExdII BT5			
SCHOV-210B			570x580x335	SHUSA-VEL7-VA63C/1(3)-VA16C/6(1)-IL/7-3 124/10-3 32/18-L-1BM-M40x2(C)-L-2BM-M25x6(C)-1ExdII BT5							OEAS-VEL10.2		
SCHOV-5210B				SHUSA-VEL7-VA25C/1(3)-VA16C/6(1)-IL/7-3 124/10-3 32/18-L-1BM-M40x2(C)-L-2BM-M25x6(C)-1ExdII BT5							OEAN-VEL10.2		
SCHOV-211B		570x568x335		SHUSA-VEL7-VA25C/1(3)-VA16C/6(1)-IL/7-3 124/10-3 32/18-L-1BM-M50x2(C)-L-2BM-M25x6(C)-1ExdII BT5							OEAN-VEL10.2	453x906x230	SHUSN-VEL10.2-VA63C/1(3)-VA16C/6(1)-IL/7-3 124/10-3 41/18-L-1BM-M50x1(B)-L-1BM-M50x1(D)-L-1BM-M25x6(D)-2ExdII BT5
				SHUSA-VEL7-VA25B/1(3)-VA16C/6(1)-IL/7-3 124/10-3 41/18-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x6(D)-2ExdII BT5							OEAS-VEL10.2		
SCHOV-5211B		570x568x335		SHUSA-VEL7-VA25S/1(3)-VA16C/6(1)-IL/7-3 124/10-3 32/18-L-1BM-M50x2(C)-L-2BM-M25x6(C)-1ExdII BT5							OEAN-VEL10.2	453x906x230	SHUSN-VEL10.2-VA63C/1(3)-VA16C/6(1)-IL/7-3 124/10-3 41/18-L-1BM-M50x1(B)-L-1BM-M50x1(D)-L-1BM-M25x6(D)-2ExdII BT5
SCHOV-2110D	SHUSA-VEL9-VA100/1(3)-VA25C/1(3)-VA16S/6(1)HL/124/10-3 124/10-3 41/23-L-2BM-M40x2(C)-L-2BM-M25x7(C)-1ExdII BT5			OEAN-VEL10.2									
SCHOV-2111D	OEAA-VEL9.1		641x730x335	SHUSA-VEL9-VA100/1(3)-VA25C/1(3)-VA16S/6(1)HL/124/10-3 124/10-3 41/23-L-2BM-M40x2(C)-L-2BM-M25x7(C)-1ExdII BT5		453x906x230	SHUSN-VEL10.2-VA63C/1(3)-VA16C/6(1)-IL/7-3 124/10-3 41/18-L-1BM-M50x1(B)-L-1BM-M50x1(D)-L-1BM-M25x6(D)-2ExdII BT5						
SCHOV-2210D			641x730x335	SHUSA-VEL9-VA100/1(3)-VA25C/2(3)-VA25C/6(1)-IL/9-3 124/10-3 41/28-L-2BM-M40x2(C)-L-2BM-M25x8(C)-1ExdII BT5									
SCHOV-2211D			641x718x335	SHUSA-VEL9-VA100/1(3)-VA25C/1(3)-VA25C/6(1)-IL/9-3 124/10-3 41/28-L-2BM-M50x2(C)-L-2BM-M25x8(C)-1ExdII BT5				OEAN-VEL10.2					
				SHUSA-VEL9-VA100/1(3)-VA25C/2(3)-VA25C/6(1)-IL/9-3 124/10-3 41/28-L-2BM-M50x2(C)-L-2BM-M25x8(C)-1ExdII BT5				OEAS-VEL10.2					

SCHOV-310B	OEAA-VEL9.1		641x730x335	SHUSA-VEL9-VA63C/1(3)-VA16C/9(1)-IL/10-3 124/10-3 32/27-L-1BM-M40x2(C)-L-2BM-M25x9(C)-1ExdII BT5	OEAN-VEL12.2		571x924x230	SHUSN-VEL12.2-VA63C/1(3)-VA16C/9(1)-IL/10-3 124/10-3 41/27-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x9(D)-2ExdII BT5	
					OEAS-VEL12.2				SHUSN-VEL12.2-VA63C/1(3)-VA16C/9(1)-IL/10-3 124/10-3 41/27-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x9(D)-2ExdII BT5
SCHOV-311B			641x718x335	SHUSA-VEL9-VA63C/1(3)-VA16C/9(1)-IL/10-3 124/10-3 32/27-L-1BM-M50x2(C)-L-2BM-M25x9(C)-1ExdII BT5	OEAN-VEL12.2		571x900x230	SHUSN-VEL12.2-VA63C/1(3)-VA16C/9(1)-IL/10-3 124/10-3 41/27-L-1BM-M50x1(B)-L-1BM-M40x1(D)-L-1BM-M25x9(D)-2ExdII BT5	
					OEAS-VEL12.2			SHUSN-VEL12.2-VA63C/1(3)-VA16C/9(1)-IL/10-3 124/10-3 41/27-L-1BM-M50x1(B)-L-1BM-M40x1(D)-L-1BM-M25x9(D)-2ExdII BT5	
SCHOV-3010D				641x730x335	SHUSA-VEL9-VA100C/1(3)-VA25C/9(1)-IL/10-3 124/10-3 41/27-L-1BM-M40x2(C)-L-2BM-M25x9(C)-1ExdII BT5				
SCHOV-3011D				641x718x335	SHUSA-VEL9-VA100C/1(3)-VA25C/9(1)-IL/10-3 124/10-3 41/27-L-1BM-M50x2(C)-L-2BM-M25x9(C)-1ExdII BT5				
SCHOV-3110D				641x730x335	SHUSA-VEL9-VA100C/1(3)-VA25C/1(3)-VA16C/9(1)-IL/11-3 124/10-3 41/32-L-2BM-M40x2(C)-L-2BM-M25x10(C)-1ExdII BT5				
SCHOV-3111D				641x718x335	SHUSA-VEL9-VA100C/1(3)-VA25C/1(3)-VA16C/9(1)-IL/11-3 124/10-3 41/32-L-2BM-M50x2(C)-L-2BM-M25x10(C)-1ExdII BT5				
SCHOV-4010D				641x730x335	SHUSA-VEL9-VA100C/1(3)-VA25C/12(1)-IL/13-3 124/10-3 41/36-L-1BM-M40x2(C)-L-2BM-M25x12(C)-1ExdII BT5				
SCHOV-4011D				641x718x335	SHUSA-VEL9-VA100C/1(3)-VA25C/12(1)-IL/13-3 124/10-3 41/36-L-1BM-M50x2(C)-L-2BM-M25x12(C)-1ExdII BT5				
SCHOV-410B				641x730x335	SHUSA-VEL9-VA63C/1(3)-VA16C/12(1)-IL/13-3 124/10-3 41/36-L-1BM-M40x2(C)-L-2BM-M25x12(C)-1ExdII BT5	OEAN-VEL13.2		711x1094x230	SHUSN-VEL13.2-VA63C/1(3)-VA16C/12(1)-IL/13-3 124/10-3 41/36-L-1BM-M40x1(B)-L-1BM-M40x1(D)-L-1BM-M25x12(D)-2ExdII BT5
						OEAS-VEL13.2			
SCHOV-411B				641x718x335	SHUSA-VEL9-VA63C/1(3)-VA16C/12(1)-IL/13-3 124/10-3 41/36-L-1BM-M50x2(C)-L-2BM-M25x12(C)-1ExdII BT5	OEAN-VEL13.2		711x1070x230	SHUSN-VEL13.2-VA63C/1(3)-VA16C/12(1)-IL/13-3 124/10-3 41/36-L-1BM-M50x1(B)-L-1BM-M40x1(D)-L-1BM-M25x12(D)-2ExdII BT5
						OEAS-VEL13.2			SHUSN-VEL13.2-VA63C/1(3)-VA16C/12(1)-IL/13-3 124/10-3 41/36-L-1BM-M50x1(B)-L-1BM-M40x1(D)-L-1BM-M25x12(D)-2ExdII BT5



* Complete configuration provides for: nicked brass or stainless steel cable glands: VK-VEL2BT-M63-Exd-02 – for entering and transit cable, VK-VEL2BT-M25-Exd-0 3/4 - for every outgoing switch; Automatic switches: iC60N (Shneider Electric), S200(ABB), BM63 (Kursk)

**Complete configuration provides for: nicked brass or stainless steel cable entries: VK-VEL1-M63-Exe – for entering and transit cable, VK-VEL1-M25-Exe - for every outgoing switch, Automatic switches: S200 (ABB)

Control and signal panel SHUS type Date sheet № _____ dated _____

EXPLOSION PROTECTION MARKING

1ExdIIBT5	1ExdIICT5	2ExdIIBT5
2ExdIICT5	RP ExdI	RV ExdI

AUTOMATIC SWITCHES

Rated current, A	Rated current, A
Poles quantity	Poles quantity
Automatic switches quantity	Automatic switches quantity

CONTACTOR SWITCHES

Poles number	Bobbin voltage, W	Quantity
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THERMAL RELAYS

Setting current, A	Quantity
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INTERPOSING RELAY

Contact block (NO, NC)	Quantity
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TIMING RELAY

Range, sec	Quantity
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VOLTAGE TRANSFORMERS

CURRENT TRANSFORMERS

Uin, V	Uout, V	Quantity	Uin, A	Uout, A	Quantity
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BUTTONS

Green	Contact block (NO, NC)	Quantity	
Red	Contact block (NO, NC)	Quantity	Fixing

SWITCHES

Switches quantity	Poles number
Scheme number	Positions number

INDICATORS

Nominal voltage, V	Lens color	Quantity
Nominal voltage, V	Lens color	Quantity

MEASUREMENT UNITS

Ammeter	Scale, A	Current transformer, A
Voltmeter	Scale, A	Current type, AC or DC

TERMINALS

Sprin	Screw	Current, A	Quantity
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CABLE GLANDS:

	Armored	Unarmored	Cable diameter, mm	Side (A, B, C, D)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

CONTACT DATA

Organization	
Contact person	
Contact telephone number	
e-mail	

