



Explanation of marking on DuK switches series LHP and LHM

Marking on DuK switches

The following table is a complete guide for selecting switches of the LHP and LHM series. The basic dimensions of switches for each group are identical. They differ in their use, internal fittings and design.

Catalog sheets have been created for the most common types of switches. Other variants can be identified from the following table.

Example of marking:

LHPEw - 10 / 2 - B - S - EX

EX	Designed for use in potentially explosive dust zone 22
S	Designed as casing in insulation class II
VA	Designed with stainless steel parts – fastening screws, some internal parts, etc.
H	Emergency – applies for a limit switch – the color of the lever is red
HR	Emergency – applies for a limit switch – the entire switch is in red
B	Pull-wire switch
R	Limit switch
R2	Limit switch with different rotations of the lever – left and right side
L	Yaw switch with fixed angle of rotation
LV	Yaw switch with a fixed angle of rotation and dual-step signaling
L50	Yaw switch with an adjustable angle of rotation and an extended lever
L50V	Yaw switch with an adjustable angle of rotation and an extended lever and dual-step signaling
1-3	Number of contact modules (micro switches)
10	1 switch and 1 disconnect contact silver in one module
16	1 changeover contact in one contact module
13	1 switch and 1 disconnect contact gold in one contact module
18	2 disconnect contacts silver in one contact module
19	2 disconnect contacts gold in one contact module
w	Blocking after activating the switch – lever reset is used for unblocking
E	Economy version – no precise synchronization of individual contact modules
P	Thick-walled casing of reinforced polyester
M	Casing made of cast iron



The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.



Recommended types of Duk switches for emergency stop

Distribution of switches for emergency stop circuits:

Type of switch	Design	Safety category		Properties
		1 and 2	3 and 4	
LHPEw-10/2-B-EX	Pull-wire switch	yes + identification	yes + identification	for dust explosion environments
LHPEw-10/2-B-S	Pull-wire switch	yes + identification	yes + identification	with insulation class II
LHPEw-10/2-B-VA	Pull-wire switch	yes + identification	yes + identification	no cut parts - aggressive environment
LHPEw-10/2-B	Pull-wire switch	yes + identification	yes + identification	common switch with insulation class I
LHPw-10/2-B-EX	Pull-wire switch	yes + identification	yes + identification	for dust explosion environments
LHPw-10/2-B-S	Pull-wire switch	yes + identification	yes + identification	with insulation class II
LHPw-10/2-B-VA	Pull-wire switch	yes + identification	yes + identification	no cut parts - aggressive environment
LHPw-10/2-B	Pull-wire switch	yes + identification	yes + identification	common switch with insulation class I
LHPEw-18/1-B-EX	Pull-wire switch	yes + identification	yes	for dust explosion environments
LHPEw-18/1-B-S	Pull-wire switch	yes + identification	yes	with insulation class II
LHPEw-18/1-B-VA	Pull-wire switch	yes + identification	yes	no cut parts - aggressive environment
LHPEw-18/1-B	Pull-wire switch	yes + identification	yes	common switch with insulation class I
LHPEw-10/1-B-EX	Pull-wire switch	yes + identification	no	for dust explosion environments
LHPEw-10/1-B-S	Pull-wire switch	yes + identification	no	with insulation class II
LHPEw-10/1-B-VA	Pull-wire switch	yes + identification	no	no cut parts - aggressive environment
LHPEw-10/1-B	Pull-wire switch	yes + identification	no	common switch with insulation class I
LHPEw-10/1-R-H-EX	Limit switch	yes + identification	no	for dust explosion environments
LHPEw-10/1-R-H-S	Limit switch	yes + identification	no	with insulation class II
LHPEw-10/1-R-H-VA	Limit switch	yes + identification	no	no cut parts - aggressive environment
LHPEw-10/1-R-H	Limit switch	yes + identification	no	common switch with insulation class I
LHPEw-18/1-R-H-EX	Limit switch	yes + identification	yes	for dust explosion environments
LHPEw-18/1-R-H-S	Limit switch	yes + identification	yes	with insulation class II
LHPEw-18/1-R-H-VA	Limit switch	yes + identification	yes	no cut parts - aggressive environment
LHPEw-18/1-R-H	Limit switch	yes + identification	yes	common switch with insulation class I
LHPw-10/2-R-H-EX	Limit switch	yes + identification	yes + identification	for dust explosion environments
LHPw-10/2-R-H-S	Limit switch	yes + identification	yes + identification	with insulation class II
LHPw-10/2-R-H-VA	Limit switch	yes + identification	yes + identification	no cut parts - aggressive environment
LHPw-10/2-R-H	Limit switch	yes + identification	yes + identification	common switch with insulation class I
LHPEw-10/1-L50-EX	Yaw switch	yes + identification	no	for dust explosion environments
LHPEw-10/1-L50-VA	Yaw switch	yes + identification	no	no cut parts - aggressive environment
LHPEw-10/1-L50	Yaw switch	yes + identification	no	common switch with insulation class I
LHPEw-18/1-L50-EX	Yaw switch	yes + identification	yes	for dust explosion environments
LHPEw-18/1-L50-VA	Yaw switch	yes + identification	yes	no cut parts - aggressive environment
LHPEw-18/1-L50	Yaw switch	yes + identification	yes	common switch with insulation class I
LHPw-10/2-L50-EX	Yaw switch	yes + identification	yes + identification	for dust explosion environments
LHPw-10/2-L50-VA	Yaw switch	yes + identification	yes + identification	no cut parts - aggressive environment
LHPw-10/2-L50	Yaw switch	yes + identification	yes + identification	common switch with insulation class I

Note

Identification means displaying a specific activated switch in a visualization environment. This can be achieved through another contact added to the contacts of the safety circuit, which are connected in series.

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