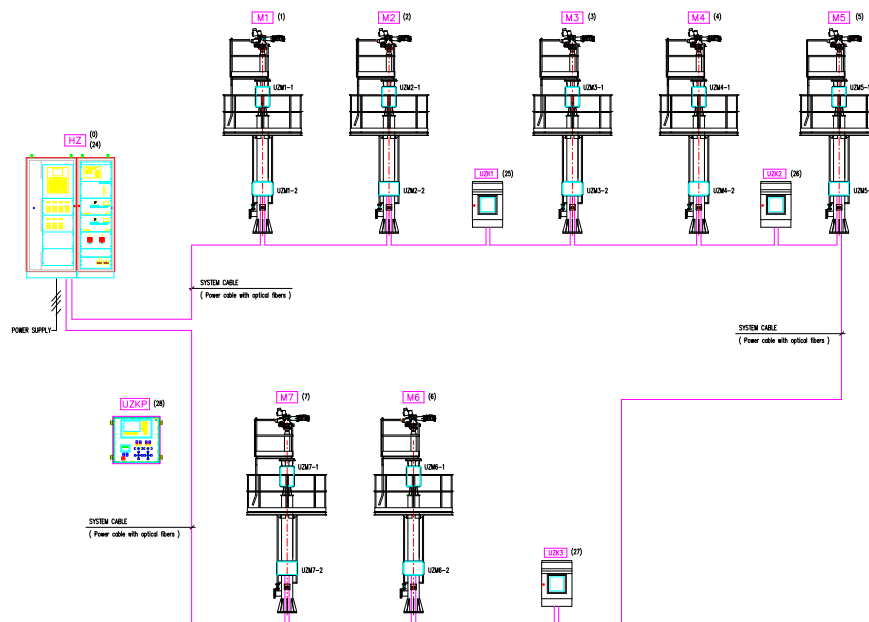




Fully electronic LKS6 integrated computer operated command and control panels

LKS6 is the Caccialanza & C: integrated system which allows the connection of all the devices of a fire fighting installation on a single loop connection, carrying both power (400V /3Ph / 50 Hz) and control signals (utilizing optical fibres or conventional galvanic connection).



This diagram is a schematic representation of a system composed by 7 monitor, 3 fixed and 1 portable command and control panel.

The diagram is also reported as drawing 46402000 in the shown IP54 execution and as drawing 46401000 in the Eexd / i execution.

For a detailed description of all features and possibilities of the system please refer to the corresponding LKS6 multifunctional system chapter, which is present in this technical literature.

Particularly for monitor command and control the system foresees two panels (UZM-1 and UZM-2) mounted on the top and at the base of the pole of each monitor, either in standard IP 54 or in Eexd execution.

Each panel can operate up to four movements, typically rotation, elevation, nozzle or deflector and pipe motor operated valve.

For valve command and control the system foresees either small unit UZA (UZA-1 and UZA-2) or bigger units with integrated fire alarm lines, extinguishing lines and technological line UZG.

In a single loop up to 16 monitors can be connected.

The field operations are performed on control panels (UZK) which allow the operation of any required unit in the loop.

Can be equipped with single or twin operator plate for the contemporary activity on 1 or 2 monitors.



The panel can also start programmed operations according to previously memorized sequences, which can be adapted to the actual situation.

The system must always be completed with a main panel (HZ) normally located in the control room, which performs all the functions on the system loops and executes and coordinates all the activities in the system.

In the Ip54 execution the principal components of the system are as follows:

Standard Panels IP54						
Type	Code	Number of Cabinets	Voltage *	# of controlled movements	Weight (Kg)	Note
LKS6/UZM-eq 2	4640113000	2	400V/50Hz	2	23+20	
LKS6/UZM-eq 3	4640113300	2	400V/50Hz	3	24+20	
LKS6/UZM-eq 4	4640113330	2	400V/50Hz	4	25+20	
LKS6/UZA	4640211000	2	400V/50Hz	4	25+20	
LKS6/UZG	4640411050	1	400V/50Hz	20	300	
LKS6/UZK	4640331000	1	400V/50Hz	n.a.	50	
LKS6/UZKP	4640333000	2	400V/50Hz	n.a.	5+20	
LKS6/HZ	4640532120	1	400V/50Hz	n.a.	310	

- different voltages and frequencies as well as DC execution on request.

In the next table all technical drawings referred to each model of standard panel are listed and can be directly opened:

Standard Panels IP54 – Technical drawings cross reference				
Type	Code	Panel Electrical diagram #	Interconnection drawing #	Note
LKS6/UZM-eq 2	4640113000	46413101	46401101	
LKS6/UZM-eq 3	4640113300	46413111	46401101	
LKS6/UZM-eq 4	4640113330	46413121	46401101	
LKS6/UZA	4640211000	46413421	46401101	
LKS6/UZG	4640411050	46413591	46401101	
LKS6/UZK	4640331000	46413701	46402000	
LKS6/UZKP	4640333000	46413801	46402000	
LKS6/HZ	4640532120	46413901	46402000	



In the Eexd execution the principal components of the system are as follows:

Standard Panels Eexd						
Type	Code	Number of Cabinets	Voltage *	# of controlled movements	Weight (Kg)	Note
LKS6/UZM-eq 2	4640143000	2	400V/50Hz	2	43+40	
LKS6/UZM-eq 3	4640143300	2	400V/50Hz	3	44+40	
LKS6/UZM-eq 4	4640143330	2	400V/50Hz	4	45+40	
LKS6/UZA	4640241000	2	400V/50Hz	4	45+40	
LKS6/UZG	4640451050	7	400V/50Hz	20	450	
LKS6/UZK	4640361000	3	400V/50Hz	n.a.	9	
LKS6/UZKP	4640363000	3	400V/50Hz	n.a.	5+45	
LKS6/HZ	See IP 54 Version		400V/50Hz	n.a.	/	

- different voltages and frequencies as well as DC execution on request.

In the next table all technical drawings referred to each model of standard panel are listed and can be directly opened:

Standard Panels Eexd – Technical drawings cross reference				
Type	Code	Panel Electrical diagram #	Interconnection drawing #	Note
LKS6/UZM-eq 2	4640143000	46414101	46401101	
LKS6/UZM-eq 3	4640143300	46414111	46401101	
LKS6/UZM-eq 4	4640143330	46414121	46401101	
LKS6/UZA	4640241000	46414421	46401101	
LKS6/UZG	4640451050	46414591	46401101	
LKS6/UZK	4640361000	46414701	46401000	
LKS6/UZKP	4640363000	47414802	46401000	
LKS6/HZ	/	/	46402000	