

Crane equipments

Optical anti – collision device FUA-3

Optical anti – collision device FUA-3



Stand's material: galvanized steel

Catalog No.	Type	Weight [kg]
7100.03	FUA-3	6,45

Application:

Mainly in case of two or more cranes (hoists) working on the same track:
 - to avoid collision between cranes (hoists),
 - to prevent exceeding the allowable loads of structural elements: crane beams, columns, caused by the presence of two or more cranes on a single span.

Attention:

- individual elements of the anti-collision device have the ability to adjust it's position ,
 - stands should be mounted on the crane construction equidistant from the track ,
 - adjustment of photo sensors sensitivity should be carried out basis on dynamic test of crane (hoist) drives.

Construction:

Optical anti – collision device includes:
 - 2 photo sensors,
 - 2 mirrors
 - 2 sets of stands for photo sensors and mirrors mounting and adjustment.

Wiring diagram

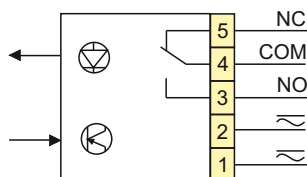
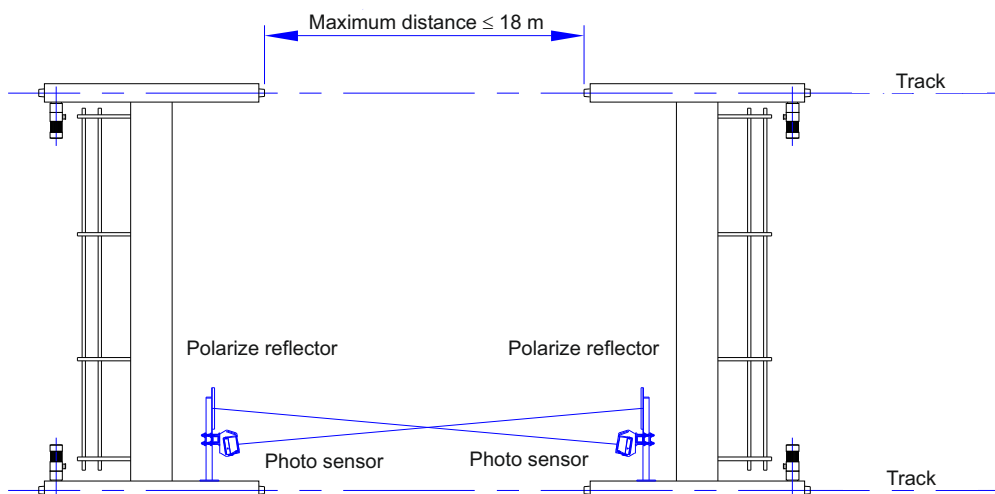


Photo sensor data:

Producer Type	Supply voltage	Relay's contact electrical data	Sensitivity	Internal protection level	Working temperature
TELEMECANIQUE XUX1ARCNT16	U = 24-240V	U _N = 250V AC I _N =3A	up to 18 m	IP 67	-25°C to +55°C

Diagram of the anti-collision device

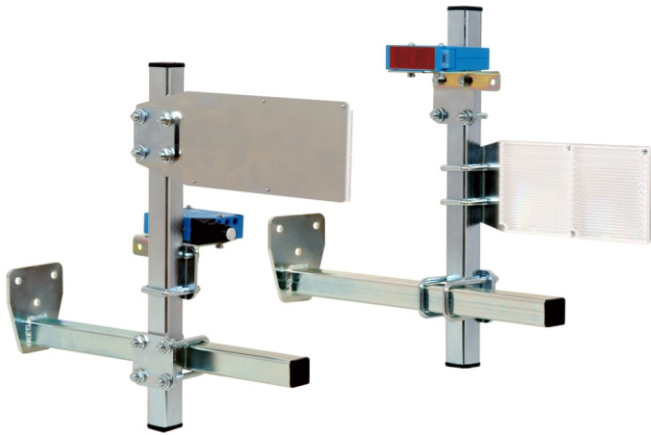


KFUA-3-4 062015 EN

Crane equipments

Optical anti – collision device FUA-4

Optical anti – collision device FUA-4



Stand's material: galvanized steel

Catalog No.	Type	Weight [kg]
7100.04	FUA-4	6,44

Application:

Mainly in case of two or more cranes (hoists) working on the same track:
 - to avoid collision between cranes (hoists),
 - to prevent exceeding the allowable loads of structural elements: crane beams, columns, caused by the presence of two or more cranes on a single span.

Attention:

- individual elements of the anti-collision device have the ability to adjust it's position ,
 - stands should be mounted on the crane construction equidistant from the track ,
 - adjustment of photo sensors sensitivity should be carried out basis on dynamic test of crane (hoist) drives.

Construction:

Optical anti – collision device includes:
 - 2 photo sensors,
 - 2 mirrors
 - 2 sets of stands for photo sensors and mirrors mounting and adjustment.

Wiring diagram

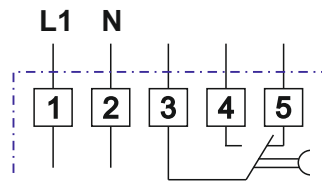


Photo sensor data:

Producer Type	Supply voltage	Relay's contact electrical data	Sensitivity	Internal protection level	Working temperature
SICK WL34-R230	U = 24 ... 240 V AC	U _N = 250V AC I _N =4A	do 18 m	IP 67	-40°C do +60°C

Diagram of the anti-collision device

