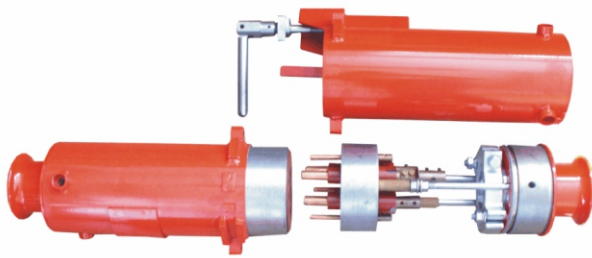




## NKR 1000/160 – Quick Coupling



Certificate: ATEX, UK



### Technical Parameters:

Model	I M2 Exd I
Supply voltage of main contacts	1000 V / AC
Supply voltage of auxiliary contacts	230 V / AC
Maximum current load of main contacts	160 A / AC
Nominal current of auxiliary contacts	6 A / AC
Working position	Any
Main core cross-section	25 - 70 mm <sup>2</sup>
Auxiliary core cross-section	2.5 - 10 mm <sup>2</sup>
Ambient temperature	0°C - +40°C
Relative humidity	85 %
Protection	IP 54
Dimensions	ca 680 x 180 mm (assembled)
Weight	35 g

### Use:

A non-explosive quick coupling serves for quick connecting (prolongation) mine trailing cables at the state without electric voltage. It is intended for use in a mine environment with a methane and dust explosion hazard. A quick coupling formed of two assembled and secured parts can only be connected to the electric voltage.

### Description:

A non-explosive cable quick coupling of NKR 1000/160 type is made as a firm Exd enclosure. It consists of two main parts, a plug and a socket, which are assembled, screwed and secured to form a single firm enclosure. Casings are made of a steel seamless tube.

The quick coupling is connected or disconnected at the state of switched off and secured electric power. The quick coupling is connected and disconnected by means of a lever mechanism on the plug which is inserted to the socket on guiderails.

After assembling the quick coupling both parts are secured by a lock nut on the plug which form a special lock together with the lever security device. Both parts end with bushings. The bushings are connected with the plug and socket by means of three socket-head screws.

Three main contacts, a protective contact and three auxiliary round-section contacts made of hard copper are situated in the socket and the plug. The contacts are placed in protective insulating inserts and are inserted to each other when the quick coupling is connected together.

On the side of bushings the contacts have flat surfaces with fitting plates for connecting cable cores. Insulating inserts, where contacts are inserted, ensure the minimum air distance of 14 mm and surface distance of 25 mm between them. The disconnected plug as well as the socket is protected against mechanical damage on the side of contacts by caps attached on a chain.

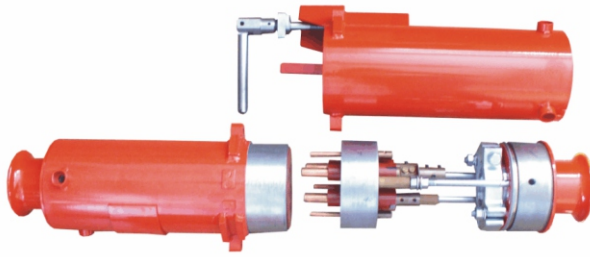
**The catalogue has only those selected important parameters for your final decision. For project designs always ask for the user's guide for this product and any engineering consultation about possible uses.**



## NKR 1000/360 – Quick Coupling



Certificate: ATEX



### Technical Parameters:

Model	I M2 Exd I
Supply voltage of main contacts	3 x 1140V / 50 – 60Hz
Supply voltage of auxiliary contacts	230 V AC
Maximum current consumption of main contacts	360 A
Nominal current of auxiliary contacts	6 A
Working position	Any
Main core cross-section	25 - 95 mm <sup>2</sup>
Auxiliary core cross-section	2.5 - 10 mm <sup>2</sup>
Ambient temperature	0°C - +40°C
Relative humidity	85 %
Protection	IP 54
Dimensions	approx. 680 x 180 mm (assembled)
Weight	51 g

### Use:

A non-explosive quick coupling serves for quick connecting (prolongation) mine trailing cables at the state without electric voltage. It is intended for use in a mine environment with a methane and dust explosion hazard.

### Description:

A non-explosive NKR 1000/360 cable quick coupling is made as a firm Exd enclosure. It consists of two main parts, a plug and a socket. Casings are made of a steel seamless tube.

The quick coupling is connected or disconnected by means of a screw with an eccentric situated on the socket which is screwed in in the nut forming part of the plug. A lever is connected with the screw by means of which the screw is screwed in/out. The connecting mechanism has two M8 Allen head screws to meet the requirements of the standard.

The bushings of the quick coupling are connected with the plug and socket by means of three socket-head screws.

Three main contacts, a protective contact and three auxiliary round-section contacts made of hard copper are situated in the socket and the plug. The contacts are placed in protective insulating inserts and are inserted to each other when the quick coupling is connected together.

On the side of bushings the contacts have inner holes where core conductors are inserted, secured by three screws on the circuit of the contacts. Insulating inserts, where contacts are inserted, ensure the minimum air distance of 14 mm and surface distance of 25 mm between them. The insulating inserts are made by sealing by a PUR sealant compound. The disconnected plug as well as the socket is protected against mechanical damage on the side of contacts by caps attached on a chain.

**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.**