

# KSI

## Kollmorgen Shaft Installation

Kollmorgen has researched the requirements for a sophisticated shaft wiring system by means of intensive, constructive discussion with our customers. The primary goal of this research was always the simple development of the shaft cable harness, providing a minimal cost solution and an accurate calculation of time required for installation. The heart of our KSI solution is the 'shaft installation assistant', a PC software tool that allows the quick design of a shaft cable harness using relevant, associated technical specifications. By utilizing drop-down fields, all security signals and control signals can be freely selected. Furthermore, the user enters all the necessary horizontal and vertical measurements in order to arrive at an accurate final shaft wiring design. If a custom cable is needed (that is not offered as part of the standard selection) a special cable can be specified and inputted into a personalized drop-down list. The shaft installation assistant automatically calculates the corresponding cable lengths, clamp designations, and cable colours. In addition, the cable harness is fully optimized with respect to the selection of cable materials, which further contributes towards a minimal cost solution. When manufacturing the cable harness, the data from the shaft installation assistant serves as a 'template'. All cables are precisely cut according to their specifications, and are marked with a label indicating where they are to be placed. In addition, the colour-coding of the cable harness corresponds to the cable colours used in our control systems. Through these measures, wiring errors during installation are reduced to an absolute minimum. Our dedicated team will be pleased to advise you on the advantages and potential of KSI, which can also include the supply of our latest PC-software.



### Capability Characteristics

- fast and easy installation through complete prepackaged wiring loom
- very efficient connection through clear marking of all wires
- very precise identification because of unique colours for all cables in loom and control
- maximum failsafe performance because of the use of special cables for the call signals
- cost and time savings in projecting through intuitive multilanguage software tool
- complete delivery including cable duct
- simple adding of additional cables

### Ready for connection of

• Pit Emergency Stop	• Car Buffer	• Landing Displays
• Access Level Emergency Stop	• Counterweight Buffer	• Gong
• Pit Door / Ladder	• Over Pressure	• Voltage Socket
• Speed Governor	• Inferior Pressure	• Emergency Call Shaft
• Tension Pulley	• Pipe Burst	• Button Shaft Light
• Deceleration Control	• Shaft Doors	• Terminal Block Shaft
• Service Door	• Landing Locks	• Horn
• Slack Rope Switch	• Protective Earth	• Emergency Light shaft
• Final Limit Switch Top	• Landing Calls	• Socket
• Final Limit Switch Bottom	• Hall Lanterns	• Special Contacts
• User defined Contacts	• Fire Brigade Button	