Data Sheet

Cable Identification System KSG 80

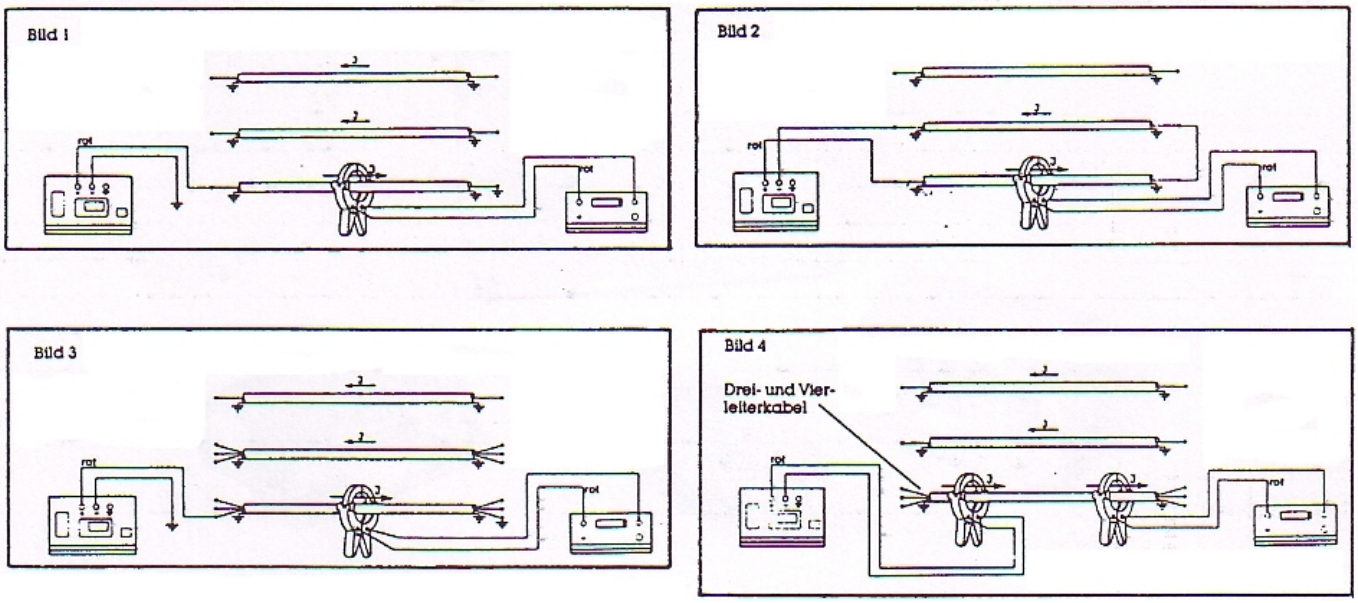
The Cable Identification System KSG 80 is used for reliable selection or identification of single-core or multi-core cables from a cable bunch or cable strand.

The system consists of the transmitter KSG 80 S, the receiver KSG 80 E and the Clamp-on CT device AZ 10 D 125. These components, with all necessary accessories, are accommodated in a handy aluminum case.
A second Clamp-on CT device AZ 10 D 125 (option) is necessary for inductive coupling of the transmitter to the cable loop, for reliable selection of live multi-core cables. Note: Direct injection on live cables, max. 400 V, 50/60 Hz.

Features:

- Cable selection of single core and multi-core cables and lines
- Reliable identification of polarity direction at the receiver, even with relatively high loop resistance up to 400 Ω max. (fig. 1 to 3)
- Inductive pulse feeding via a second Clamp-on CT on live cables (option)
- Control and indication of peak current, for evaluation of current loop
- Protection of pulse transmitter against external voltages up to 230 V

Application:



Technical data

Pulse Transmitter KSG 80 S

	Pulse transmitter KSG 80 S
Output voltage	300 V (15 pulses / min)
Output current (pulse)	300 A max.
Control of output current	Moving coil instrument for pulse current indication
Mains supply	110 – 120 V / 220 – 230V / 240 V; 50 / 60 Hz
Operating control	Pulse cycle, via LED indication
Operating temperature	- 20 to + 50 °C
Power consumption	72 VA
Dimensions (W x H x D)	Approx. 210 x 125 x 205 mm
Weight	Approx. 2.5 kg

Pulse Receiver KSG 80 E

	Pulse Receiver KSG 80 E
Moving coil meter	± 100 µA, Class 2.5
Sensitivity	Full scale deflection at 400 Ω loop resistance with full amplification (i = 0.75 A)
Operating temperature	- 20 to + 50 °C
Power supply	9 V (battery)
Current consumption	0.032VA
Dimensions (W x H x D)	Approx. 175 x 145 x 123 mm
Weight	Approx. 1.5 kg

	KSG 80 S and KSG 80 E
Weight of cable identification system KSG 80 Standard version	Approx. 10.0 kg
Dimensions of cable identification system KSG 80 transport case (W x H x D)	Approx. 460 x 350 x 250 mm

Cable Identification System KSG 80
Delivery includes:

- Pulse receiver KSG 80 E
- Pulse transmitter KSG 80 S
- CT Clamp AZ 10 D125 (internal diameter 125 mm)
- Transport case for Cable Identification System KSG 80
- Set of 2 pcs Connection cable with connecting clamp; for direct signal injection (Red & Black)
- Connection cable 5m length, with 4 mm – 4 mm plug-ends; for Receiver – CT Clamp
- Mains cable
- User Manual

Optional:

CT Clamp device Ø 125 mm; AZ 10 / D 125 for inductive signal injection.

Flexible CT Ø 200 mm. (Option available with KSG80F only)