

AK40

Scanner-Connection Cable for GALAXY Scanners



For GALAXY scanners

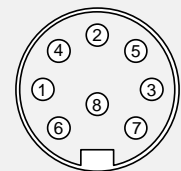
(Cables with straight connector (8-pin), open connection wires, ferrules, screw terminals)

Order Number

AK40-xx xx m scanner connection cable (xx in 5 m increments)

Pin Assignment SC72 / SC82 / SC73 / SC83 / SC75 / SC85 / SC76 / SC86

Cable color	No.	Function		Pin
		Models SC72 / 82 / 73 / 83 / 75 / 85	Models SC76 / 86	
Green	1	+ Analog output measuring region 1	not used	5
Grey	3	+ Analog output measuring region 2	not used	2
Blue	5	+ Analog output measuring region 3	not used	4
Black	7	+ Analog output measuring region 4	not used	1
Grey-pink	9	+ Analog output 0 (angle position or measuring region)		7
Yellow	2	Ground for analog outputs of measuring regions 0–4 (=GND)		6
Pink	4			
Red	6	Ground for digital inputs / outputs 1 and 2 (= GND)		8
Violet	8			
Red-blue	10			3
White	11	Digital input / output 1		8
Brown	12	Digital input / output 2		3
Orange	–	Shield		plug housing



External view of the 8 pin scanner connector

Pin Assignment SC11 / SC12 / SC31 / SC32

Cable color (No.)	Function	Connector pin
Green (1)	+ Analog output zone A (only at SC12 / SC32)	5
Grey (3)	+ Analog output zone B (only at SC12 / SC32)	2
Blue (5)	+ Analog output zone C (only at SC12 / SC32)	4
Black (7)	+ Analog output zone D (only at SC12 / SC32)	1
Grey-pink (9)	+ Analog output measuring position (= angular position)	7
Yellow (2), pink (4), red (6), violet (8), red-blue (10)	Ground GND	6
White (11)	Ready to use contact	8
Brown (12)	Digital input for: activate scanner, single / multiple scan or interface transmission	3
Orange	Shield	plug housing

Note: To prevent accidental short circuits, not used cable wires need to be placed, for example to the supplied screw terminals.

Technical Data

Cable:	Twisted pairs, screened data transmission cable with color code acc. to DIN 47100, RoHS conform
Designation:	LiYwCYw (TP)
Conductor:	6 x 2 x 0,14 mm ² + shield
Capacity:	120 nF / km
Conductor resistance:	142 Ω / km
Outer sheath:	PVC black, heat resistant
Temperature range:	-20°C up to +90°C, short-term +105°C
Outer diameter:	7.1 mm +/-0.2 mm
Minimum bending radius:	flexible installation: 110 mm; fixed installation: 55 mm
Burning rate:	flame-retardant to VDE 0482 - part 265-2-1 / IEC 6033-1-2