

7 Menu Structure (HOME)

			K-40	K-40h	
ISOM IMD	Rf		X	X	
	Ran		X	X	
	Ce		X	X	
	Transfo		X	X	
EVENTS	Insulation Alarms		2x	1x	
	All Alarms		X	X	
	Histo		X	X	
PARAMETERS	Language		X	X	
	ISOM IMD	Insulation measure: profile, Network (Un, Fn)		X	
		Alarms: Alarm 1, Alarm 2		2x	1x
		Relays: inhibit		X	X
		I/O		X	X
	Device configuration		X	X	
	Communication	RS485: Baudrate, Stop, Parity, Address		X	X
	Password		X	X	
	Products List		X	X	
	Autodetection		X	X	
	Add new device		X	X	
	Remote device		X	X	
	Date / Time		X	X	
Factory reset		X	X		
Reboot product		X	X		
DIAG	About		X	X	
	Setup view		X	X	
	I/O status		X	X	
	Test		X	X	

socomec
Innovative Power Solutions

ISOM K-40 / K-40h

Insulation Monitoring Devices
for IT earthing system networks



ISOM K-40 AC
4725 0120

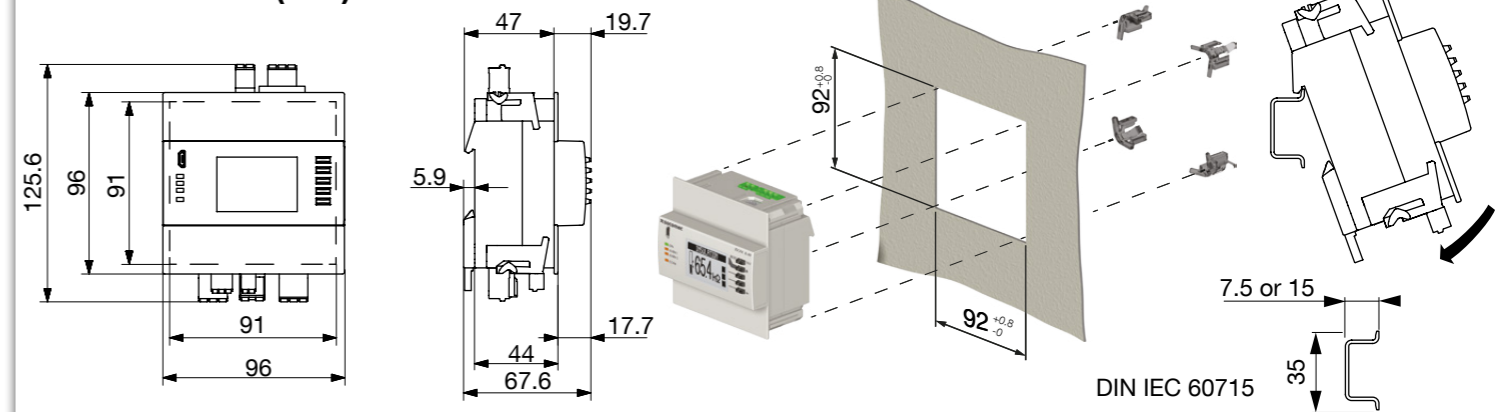
ISOM K-40 DC
4725 0121

ISOM K-40h
4725 0122 (*)

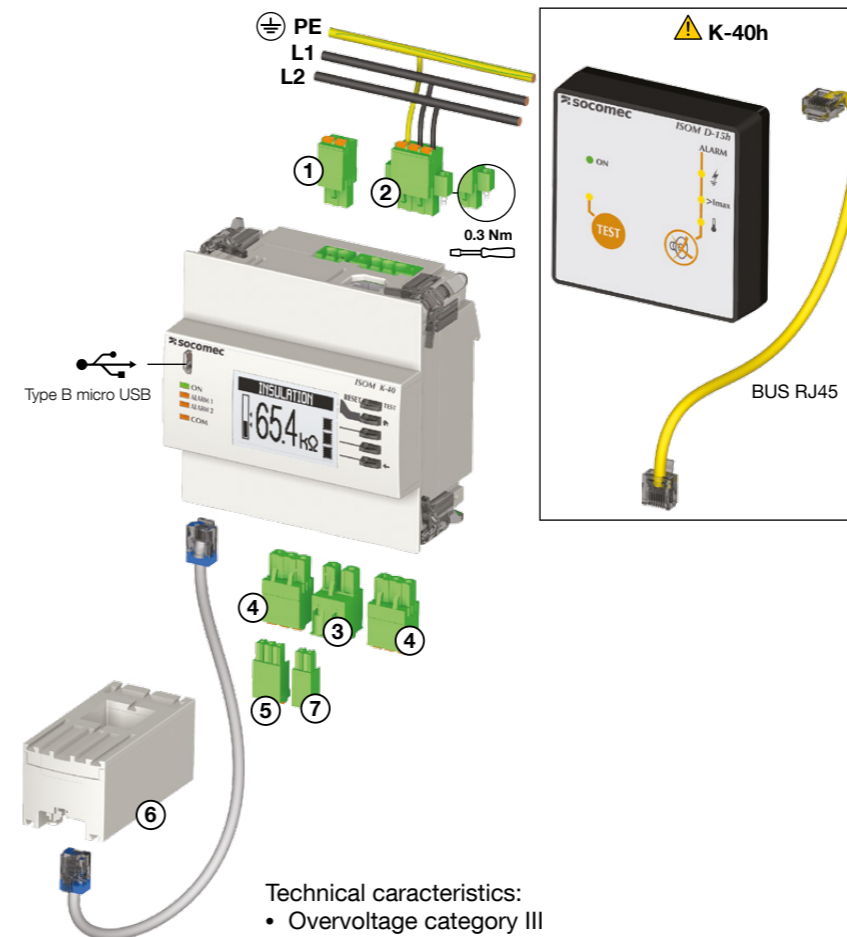
(*) h -> for medical locations



1 Dimensions (mm)



2



①	SUPPLY For AC version: 110-230Vac 50/60Hz, 120-240 VDC For DC version: 24VDC ±10% For h version: 110-230VAC 50/60Hz	
②	U / PE CONNECTION (L1 - L2 - KE) 24-277 L/N (AC & DC version) 24-480 L/L' (AC & DC version) 24-240 +/- (AC & DC version) 24-250 L/N or L/L' (h version)	x= 10 mm 0.2 to 1.5 mm ² solid 0.2 to 2.5 mm ² flexible
③	Functional Earth FE (⊕)	
④	2x OUTPUT RELAYS 230 VAC 3 A max	
⑤	RS485 MODBUS	x= 7 mm 0.14 mm ² - 1.5 mm ²
⑥	TE/TR sensors except Te-90	RJ12 SOCOMECCables
⑦	PTC (T°C) 4729 0560	x= 7 mm 0.14 mm ² - 1.5 mm ²

Technical characteristics:

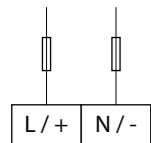
- Overvoltage category III
- pollution degree 2
- altitude ≤2000m
- temperature -10 to +55°C

3

SUPPLY ①

ISOM K-40 AC (4725 0120)
ISOM K-40h (4725 0122)
 110-230 VAC 50/60Hz,
 120-240 VDC
 For h version:
 110-230VAC 50/60Hz

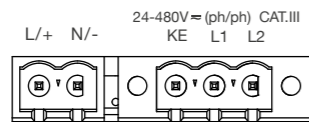
ISOM K-40 DC (4725 0121)
 24Vdc ±10%



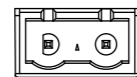
1 A gG / BS 88 1 A gG /
 T1AH300VDC

U / PE CONNECTION ②

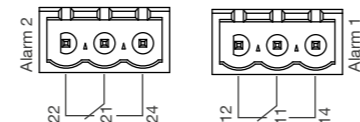
L1 - L2 - KE
 24-277 L/N (AC & DC version)
 24-480 L/L' (AC & DC version)
 24-240 +/- (AC & DC version)
 24-250 L/N or L/L' (h version)



FE (⊕) ③



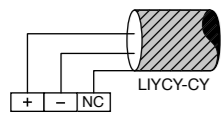
2x OUTPUT RELAYS ④



230V~ (3A max) / 30V ~: (1A max)
 It is forbidden to use on one relay 250V and
 on the other a SELV signal.
 Fuse max 2 A gG or max 3 A fuse T3AH250V

COMMUNICATION ⑤

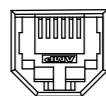
RS485 MODBUS



SENSORS ⑥

TE / TR sensors except TE-90

I >



PTC (T°C) ⑦

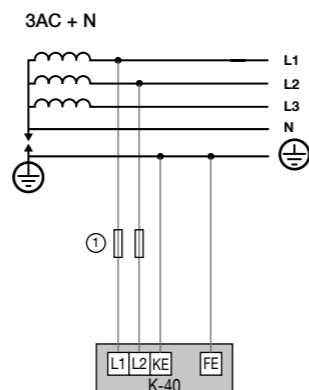
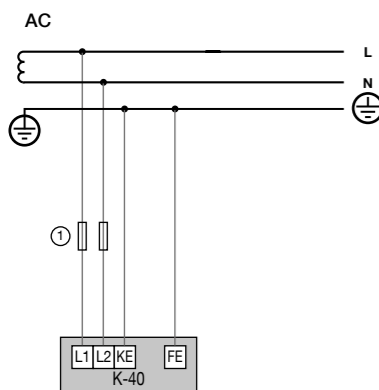
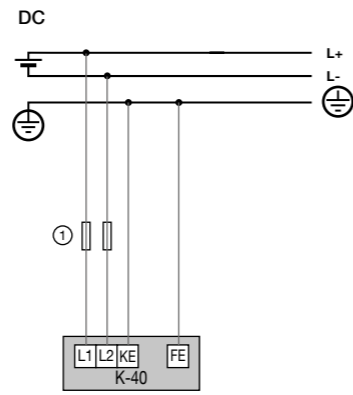
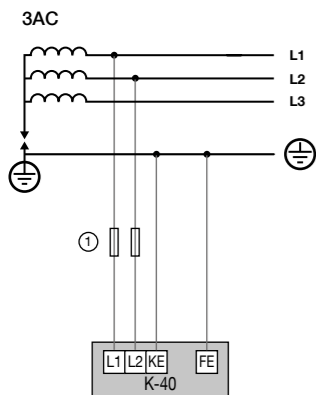
Ref.: 48290560

θ >

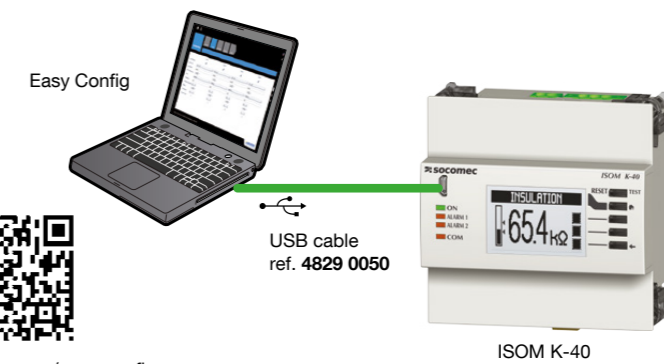


4 Main networks connections

① 2 A gG



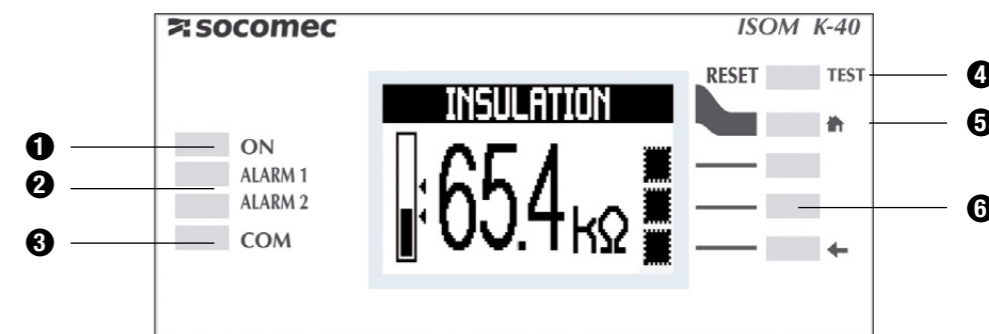
5 Configuration



www.socomec.com/easy-config

6 Operating

Human Machine Interface



- ① ON (green)
Lights if device powered
- ② ALARM 1 & 2 (amber)
- Light if Rf < ALARM x
- Blinks if system error (connection...)
- ③ COM (amber)
Blinks when modbus activity
- ④ RESET (short press)
TEST (long press)
- ⑤ Home (long press)
- ⑥ Contextual

Navigation principle

