

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

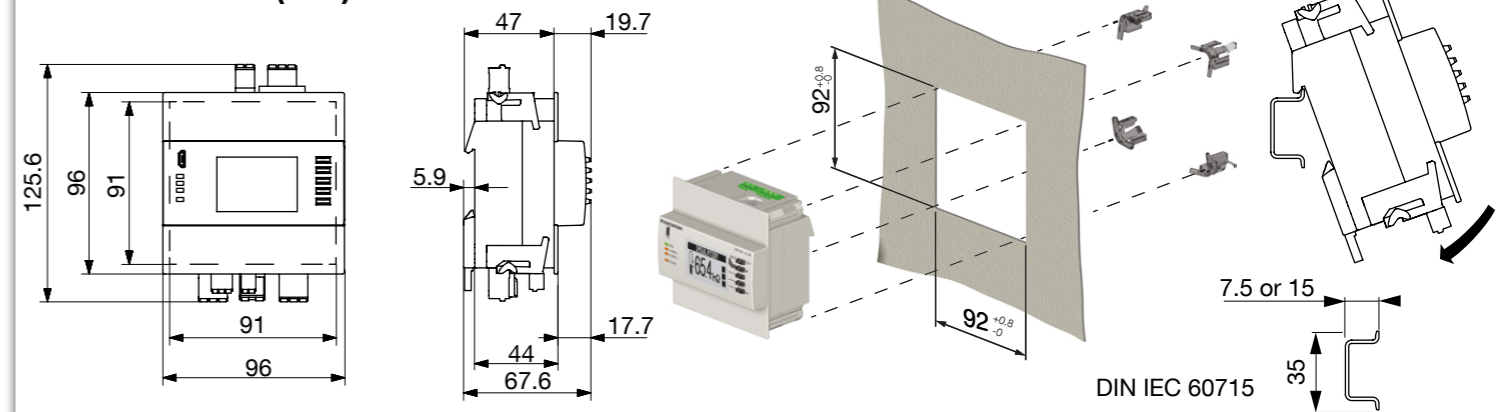


ISOM K-40 AC
4725 0120
ISOM K-40 DC
4725 0121
ISOM K-40h
4725 0122 (*)

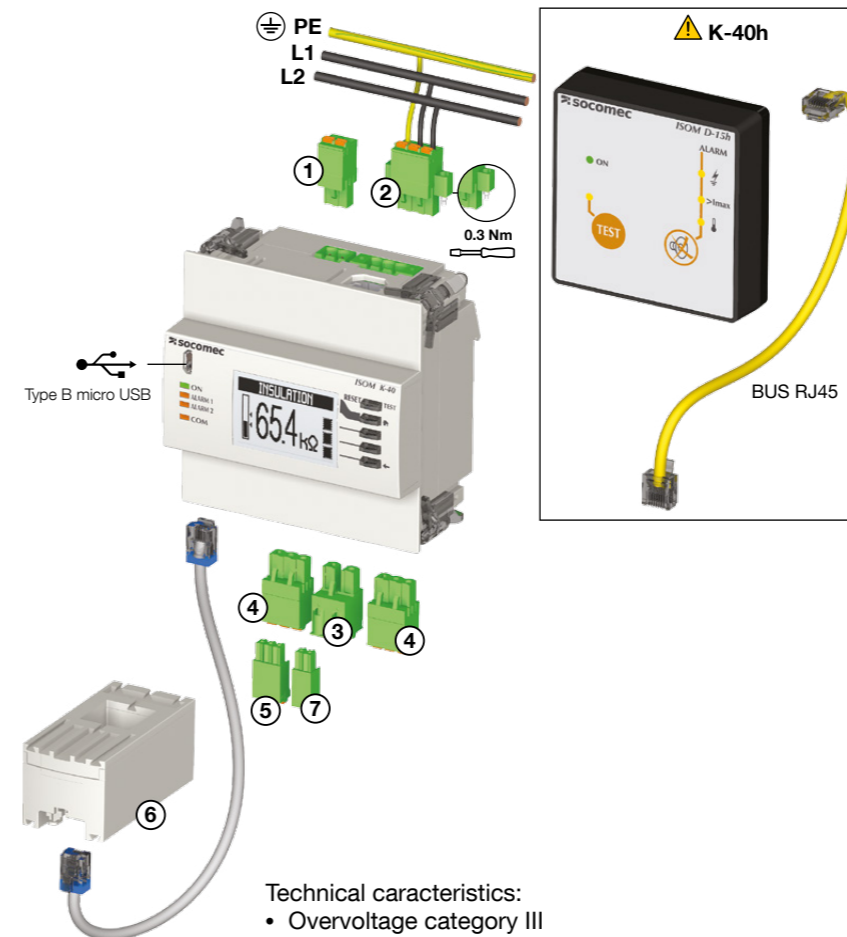
(*) h -> for medical locations



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 |

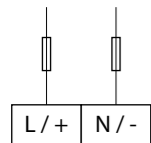
Technical characteristics:
• Overvoltage category III
• pollution degree 2
• altitude ≤2000m
• temperature -10 to +55°C

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

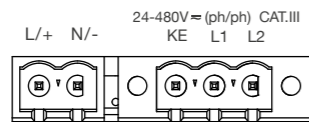
ISOM K-40 DC (4725 0121)
 24Vdc ±10%



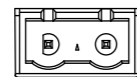
1 A gG / BS 88 1 A gG /
 T1AH300VDC

U / PE CONNECTION ②

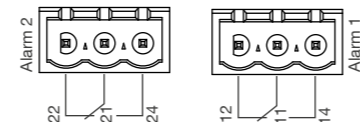
L1 - L2 - KE
 24-277 L/N (AC & DC version)
 24-480 L/L' (AC & DC version)
 24-240 +/- (AC & DC version)
 24-250 L/N or L/L' (h version)



FE (⊕) ③



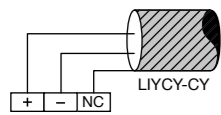
2x OUTPUT RELAYS ④



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

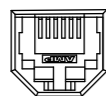
RS485 MODBUS



SENSORS ⑥

TE / TR sensors except TE-90

I >



PTC (T°C) ⑦

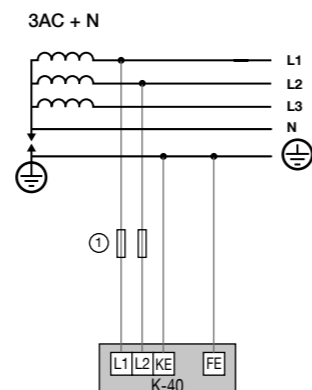
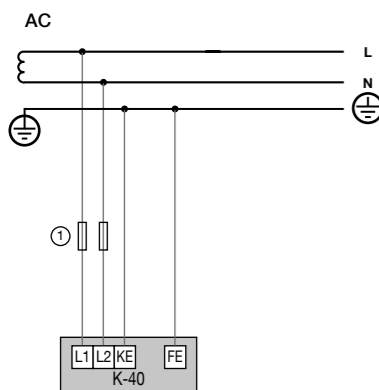
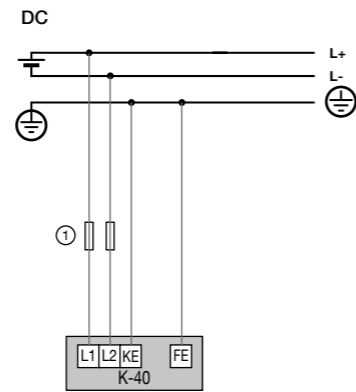
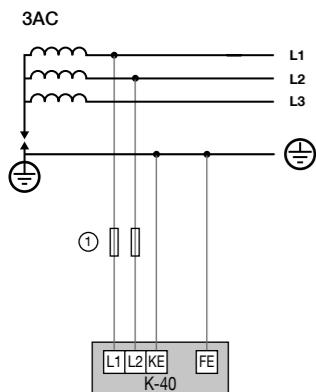
Ref.: 48290560

θ >

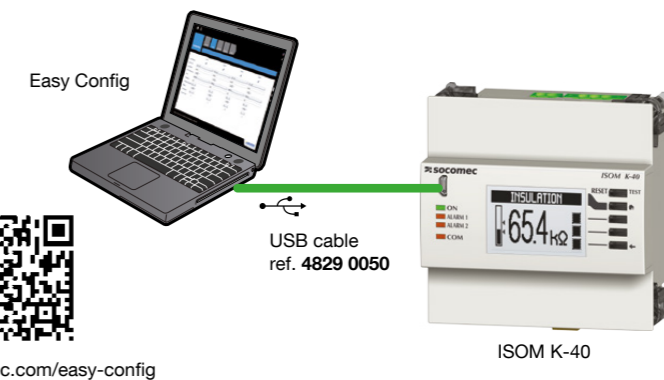


4 Main networks connections

① 2 A gG



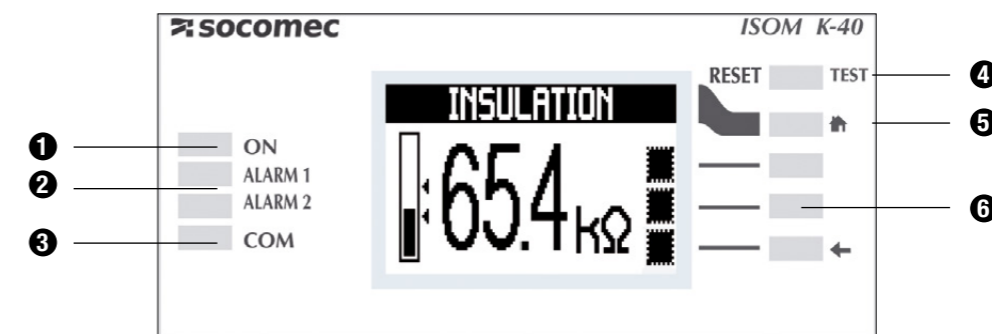
5 Configuration



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

