

ISOM IMD	Rf		K-20
	Ran		•
	Ce		•
PARAMETERS	Language		•
	ISOM IMD	Insulation measure: profile, Network (Un, Fn)	•
		Relays	•
		Alarms: Alarm 1, Alarm 2	2x
	Device configuration		•
	Password		•
	Factory reset		•
	Reboot product		•
DIAG	About		•
	Setup view		•
	I/O status		•
	Test		•



ISOM K-20

INSULATION MONITORING DEVICES
FOR UNEARTHED IT SYSTEMS



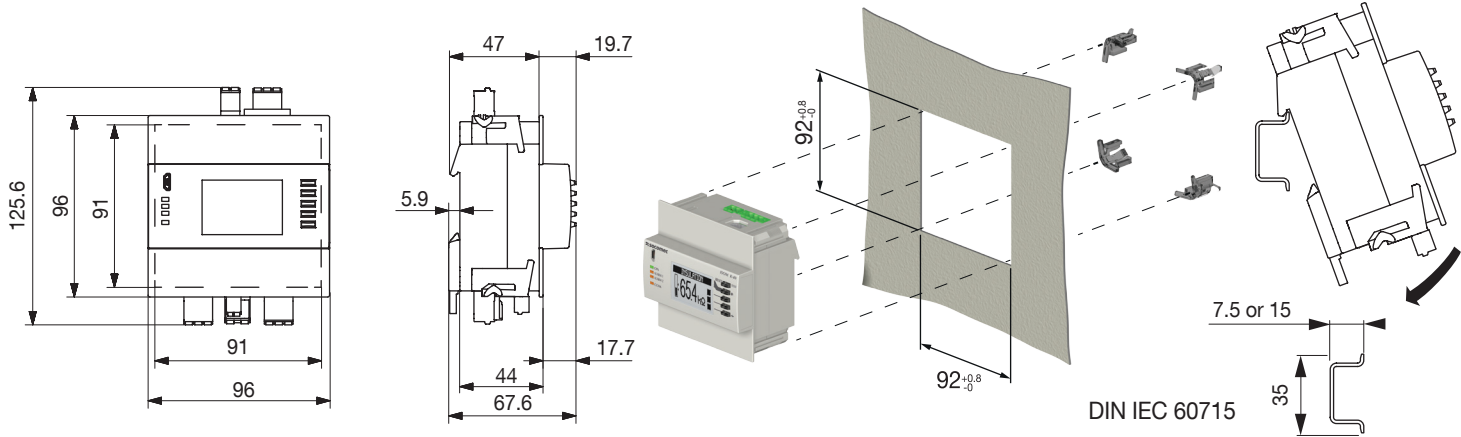
ISOM K-20 AC
4725 0110

ISOM K-20 DC
4725 0111

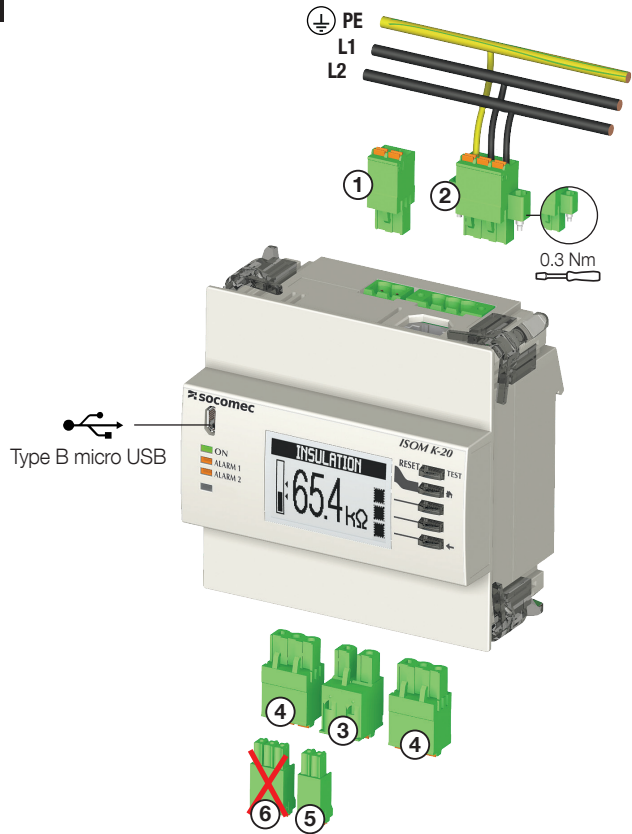


Full user
manual:
www.socomec.com/operating-instructions
www.socomec.com

1 Dimensions (mm)



2



①	SUPPLY For AC version: 110-230Vac 50/60Hz, 120-240 VDC For DC version: 24VDC ±10%	x= 10 mm 0.2 to 1.5 mm² solid 0.2 to 2.5 mm² flexible
②	U / PE CONNECTION (L1 - L2 - KE) 24-277 VAC L/N (AC & DC version) 24-480 VAC L/L' (AC & DC version) 24-240 VDC +/- (AC & DC version)	
③	Functional Earth FE (⏏)	
④	2x OUTPUT RELAYS 230 VAC 3 A max 30 VDC 1 A max	x=7mm 0.14 mm² -1.5mm²
⑤	1x INPUT (TEST/RESET) TEST > 3s RESET < 1s Cable length < 3m	
⑥	not to be used	

The inputs/outputs above are defined as SELV
(safety extra low voltage): 1 (for DC version), 3, 5.

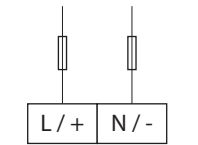
Technical characteristics:

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

SUPPLY ①
ISOM K-20 AC (4725 0110)
110-230 VAC 50/60Hz,
120-240 VDC

ISOM K-20 DC (4725 0111)
24Vdc ±10%

WARNING: DC
auxiliary supply must
be galvanically
separated from
monitored network.



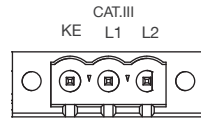
1 A gG / BS 88 1 A gG /
T1AH300VDC

TEST/RESET ⑤

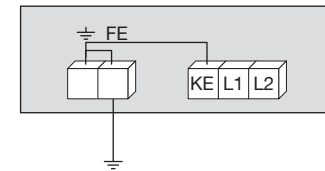


for dry contact
max length: 3 m

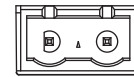
U / PE CONNECTION ②
L1 - L2 - KE
24-277 VAC L/N (AC & DC version)
24-480 VAC L/L' (AC & DC version)
24-240 VDC +/- (AC & DC version)



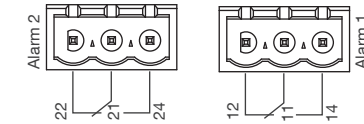
Unauthorized



FE (⊥) ③



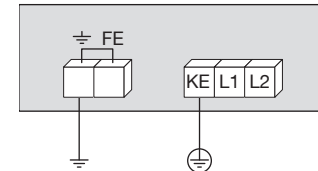
2x OUTPUT RELAYS ④



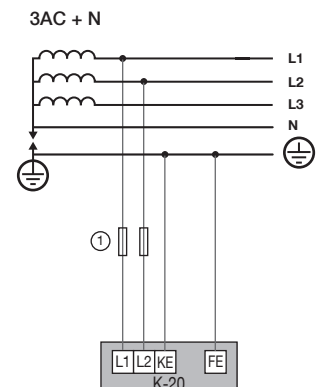
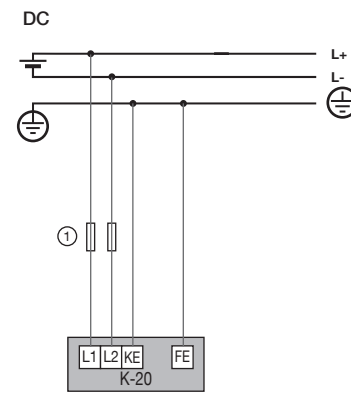
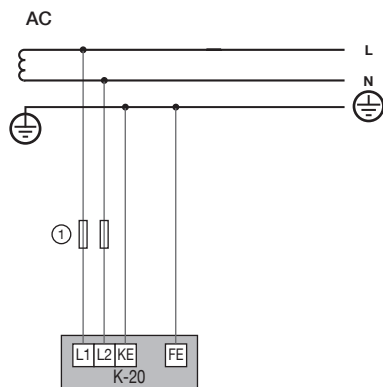
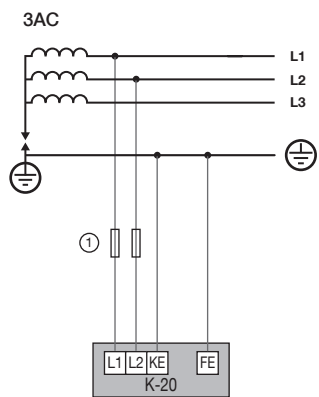
230V~ (3A max in resistive load)
30V ~ (1A max in resistive load)

It is forbidden to use on one relay 230 Vac
and on the other a SELV signal.
Fuse max 2 A gG or max 3 A fuse
T3AH250V.
Different phases can be used on the 2
output relays, but they must come from
the same three-phase network.

Authorized

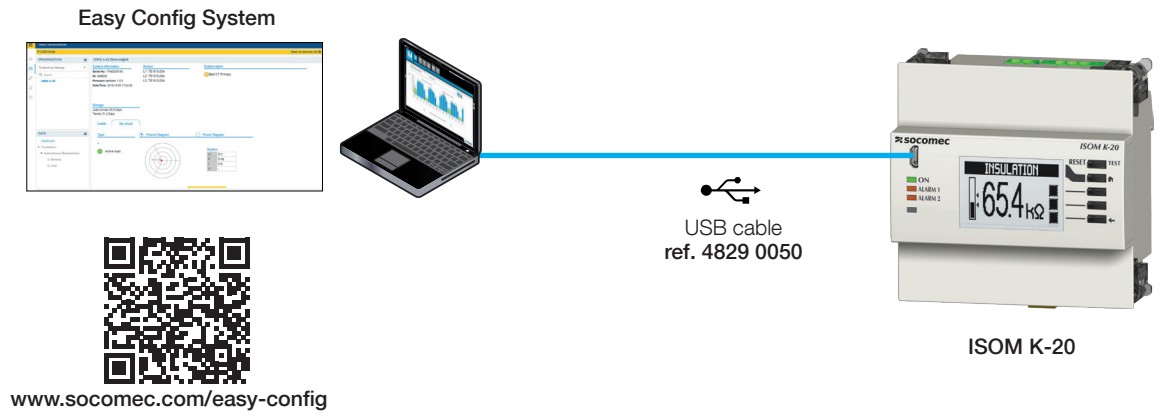


Main networks connections



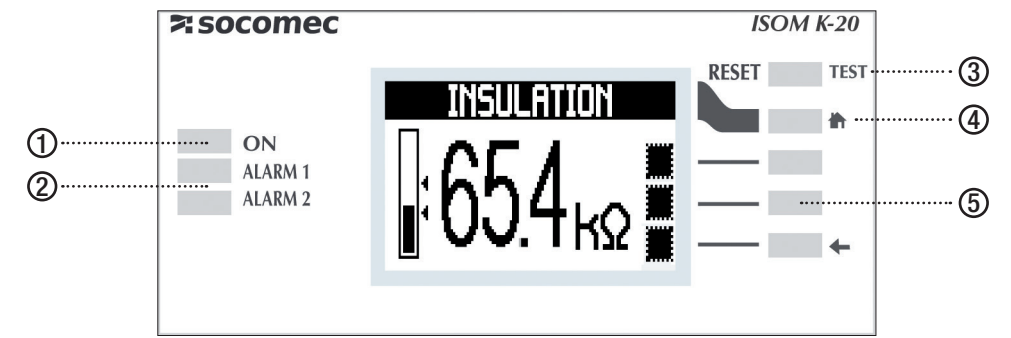
① 2 A gG

Configuration



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 **RESET (short press)**
TEST (long press)
- ④ **Home (long press)**
- ⑤ **Contextual**

Navigation principle

