7 Menu Structure (HOME)

			K-20
ISOM IMD	Rf		•
	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		•

CORPORATE HQ CONTACT: SOCOMEC SAS, 1-4 RUE DE WESTHOUSE, 67235 BENFELD, FRANCE. Non contractual document.

Print : 70 g/m² - A3 > 70 x 100 mm - R/V - B&W

socomec
Innovative Power Solutions

550771A

QUICK START GUIDE EN

ISOM K-20

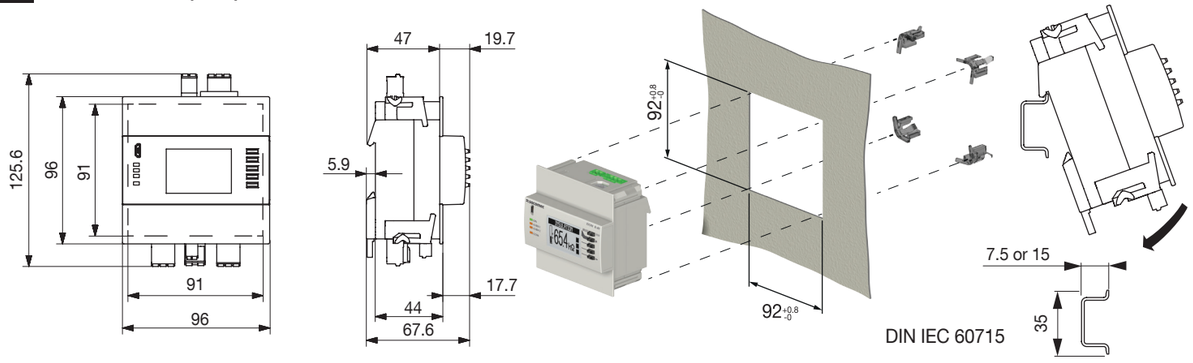
INSULATION MONITORING DEVICES
FOR UNEARTHED IT SYSTEMS

ISOM K-20 AC
4725 0110

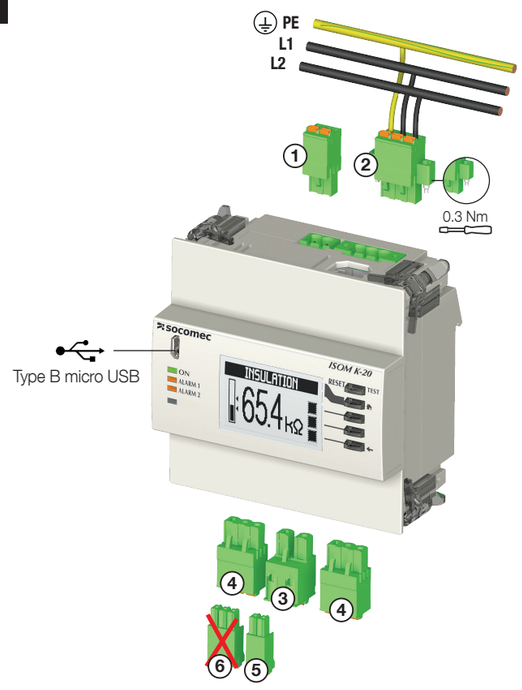
ISOM K-20 DC
4725 0111

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

1 Dimensions (mm)



2



		x
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	
5	**1x INPUT (TEST/RESET)** TEST > 3s RESET < 1s Cable length < 3m	x=7mm 0.14 mm² -1.5mm²
6	**not to be used**	

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

Technical caracteristics:

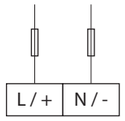
- overvoltage category III
- pollution degree 2
- altitude ≤2000m
- temperature -10 to +55°C

3

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.

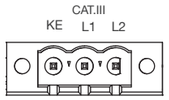


1 A gG / BS 88 1 A gG / T1AH300VDC

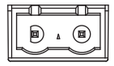
TEST/RESET ⑤

for dry contact
max length: 3 m

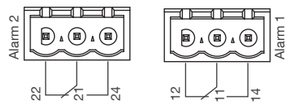
U / PE CONNECTION ②
L1 - L2 - KE
24-277 VAC L/N (AC & DC version)
24-480 VAC L/L' (AC & DC version)
24-240 VDC +/- (AC & DC version)



FE (⏚) ③



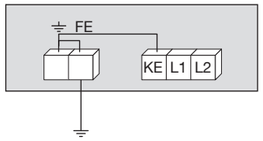
2x OUTPUT RELAYS ④



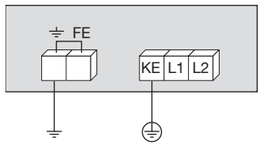
230V~ (3A max in resistive load)
30V ⎓ (1A max in resistive load)

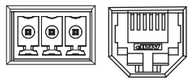
It is forbidden to use on one relay 230 Vac and on the other a SELV signal.
Fuse max 2 A gG or max 3 A fuse T3AH250V.
Different phases can be used on the 2 output relays, but they must come from the same three-phase network.

Unauthorized



Authorized



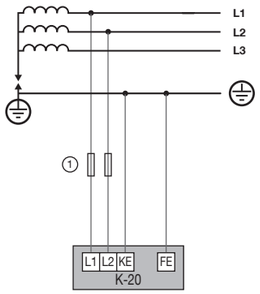


WARNING!: Connector not to be used

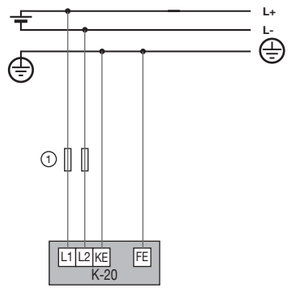
5 Main networks connections

① 2 A gG

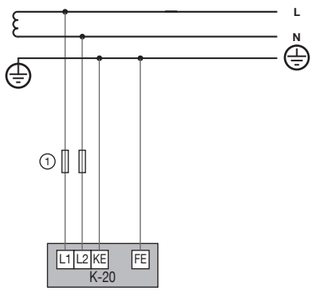
3AC



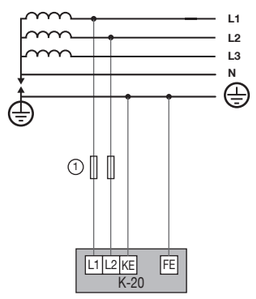
DC



AC



3AC + N



5 Configuration

Easy Config System

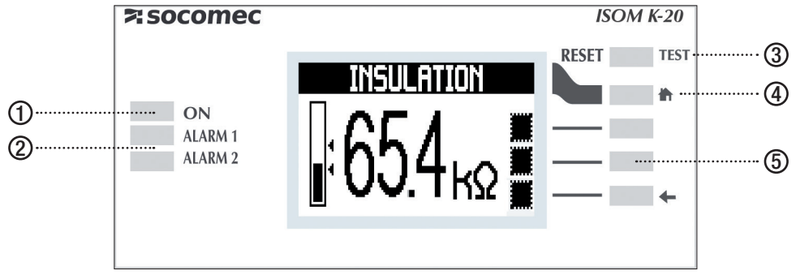
USB cable
ref. 4829 0050

ISOM K-20

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 **RESET (short press)**
TEST (long press)

④ **Home (long press)**

⑤ **Contextual**

Navigation principle