



Insulation monitoring relay, 1W, 400VAC/ 300VDC

Part no. EMR5-R400-1-A
Article no. 153443
Catalog No. EMR5-R400-1-A

Delivery programme

Product range		EMR4+EMR5 measuring and monitoring relays
Basic function		Insulation monitoring relays Status indication via LEDs Open-circuit principle Test or reset with button on device or with control input Configurable fault memory/memory function Configurable non-volatile fault memory
Monitoring of		Insulation resistance in non-earthed AC supply systems (two-phase, three-phase, four-phase systems)
Adjustable pick-up time		1 - 110 kΩ
Contact sequence		
Supply voltage		24 - 240 V AC, 13,5 - 400 Hz 24 - 240 V DC
Rated operating voltage for the supply system being monitored		0 - 400 V AC
Width	mm	22.5

Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	-25
Operating ambient temperature max.	°C	65

Technical data ETIM 6.0

Relays (EG000019) / Insulation and earth fault monitoring relay (EC001444)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Monitoring equipment (low-voltage switch technology) / Insulation-/earth connection monitoring equipment (ecl@ss8.1-27-37-18-07 [AKF101011])		
Type of electric connection		Screw connection
Rated control supply voltage U_s at AC 50HZ	V	0 - 0
Rated control supply voltage U_s at AC 60HZ	V	0 - 0
Rated control supply voltage U_s at DC	V	0 - 0
Voltage type for actuating		AC/DC
With detachable clamps		No
Function		For three-phase supply system
Rated voltage	V	0 - 0
Nominal rated frequency	Hz	0 - 0
Line capacity	μF	0
Response value impedance 1	kOhm	0 - 0
Response value impedance 2	kOhm	0 - 0
Indication of insulation value		No
Error registration possible		No
Number of contacts as normally closed contact		0
Number of contacts as normally open contact		0
Number of contacts as change-over contact		1
Width	mm	0
Height	mm	78
Depth	mm	100

Approvals

IEC 60255-6; IEC 61557-8; UL 508; CSA-22.2 No. 14-05; CE marking

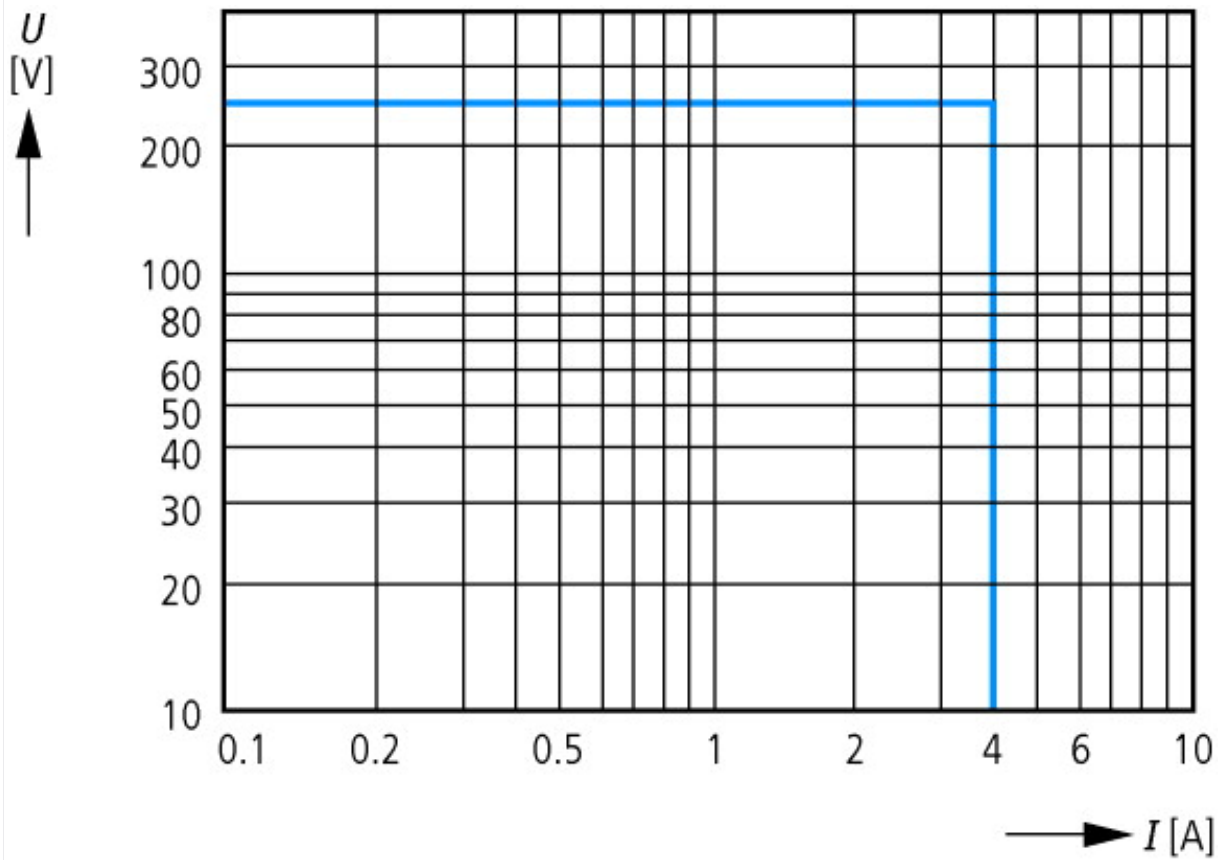
E29184

NKCR, NKCR7

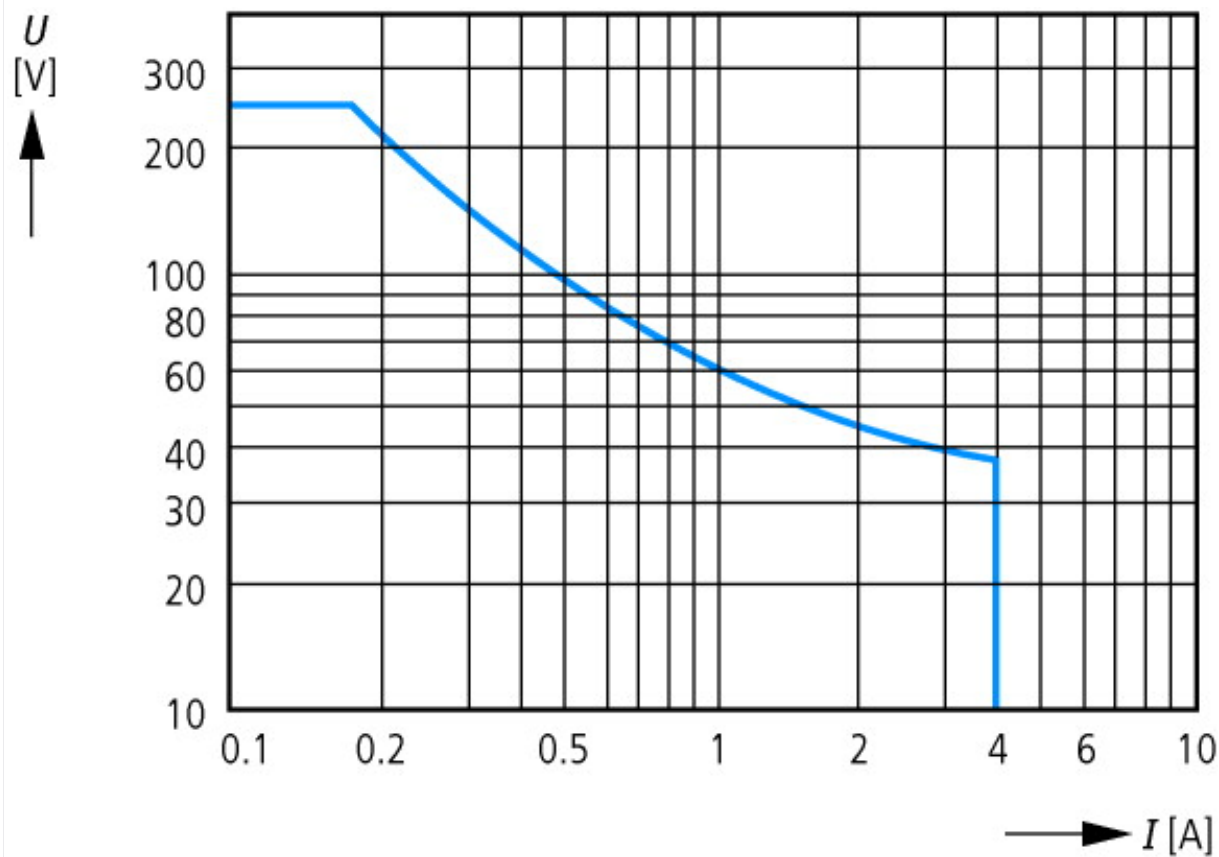
UL listed, CSA certified

IEC: IP20, UL/CSA Type: -

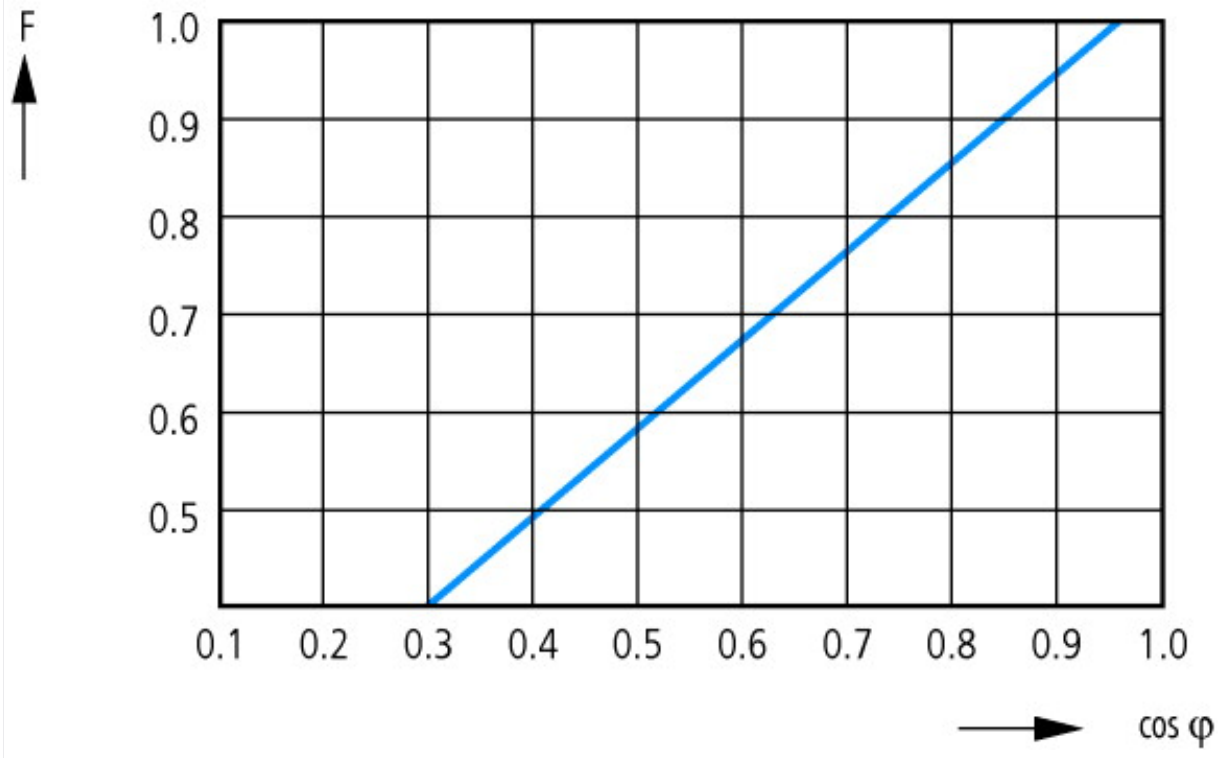
Characteristics



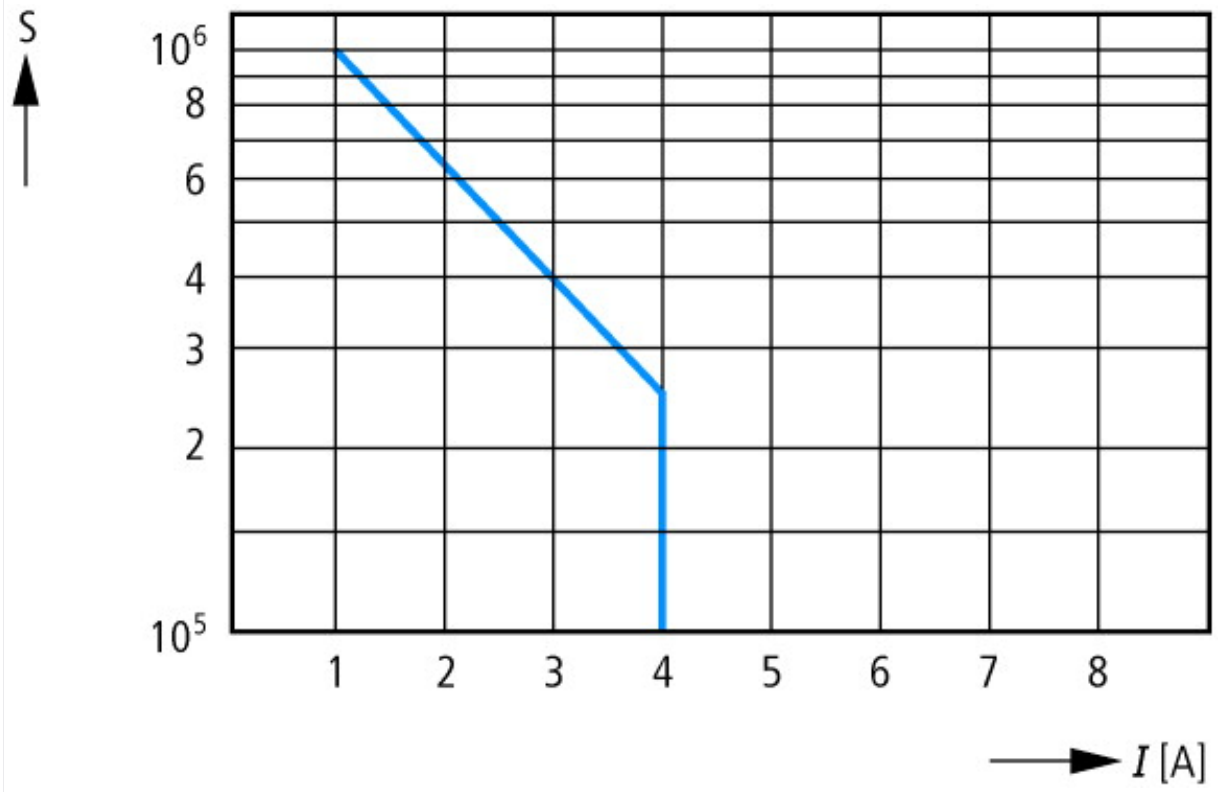
AC load (resistive)



DC load (resistive)

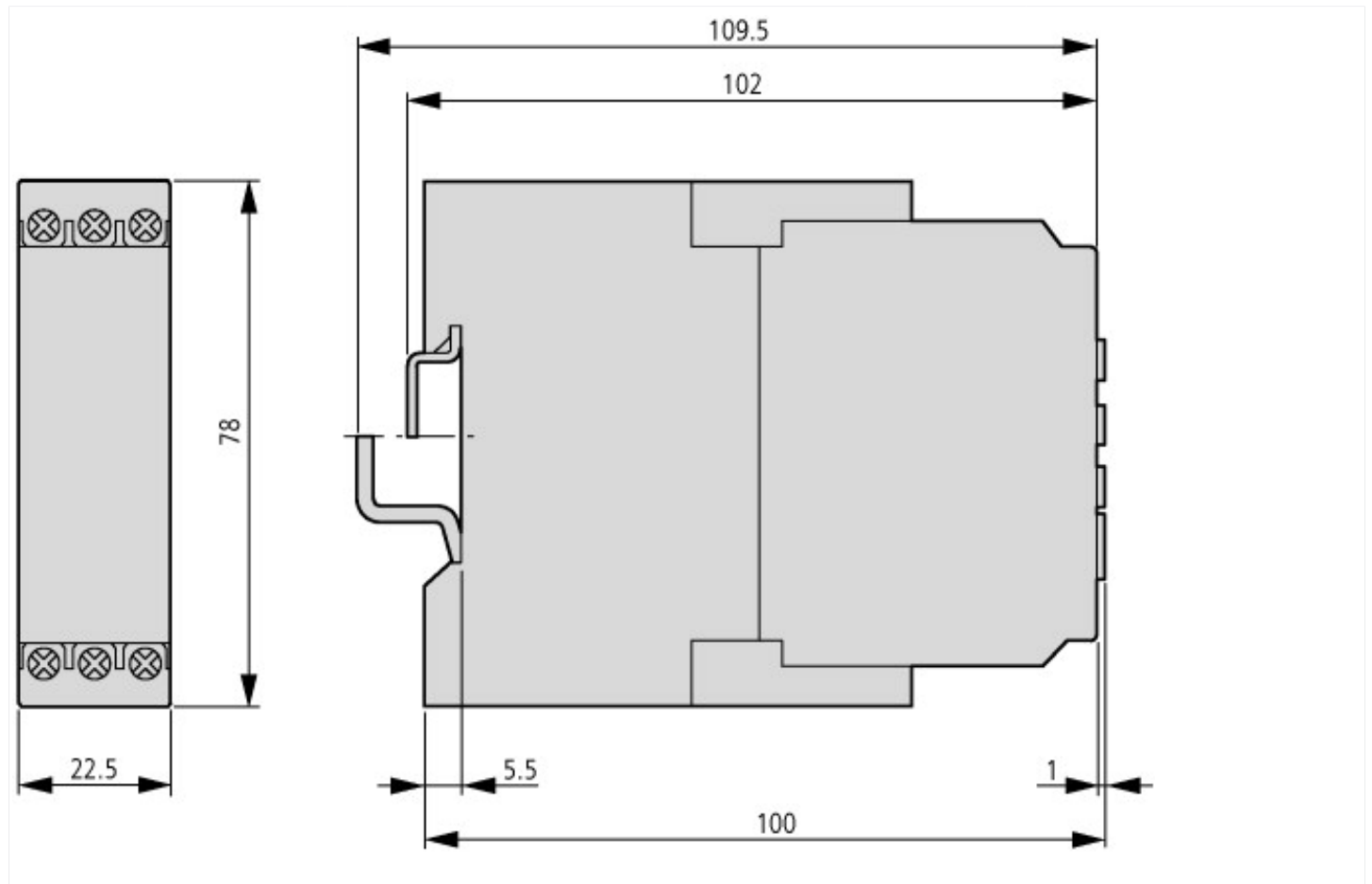


Derating factor F with inductive AC load



Contact life
S operations
220 V 50 Hz AC-1
360 operations/h

Dimensions



Additional product information (links)

IL04912003Z Insulation monitoring relays

IL04912003Z Insulation monitoring relays

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04912003Z2014_09.pdf