

D30 / DM30

Earth Leakage Relays WITHOUT BUILT- IN Toroidal Transformer

SUPERIMMUNIZED MULTIRANGE RELAY 22,5 mm

- **Electronic relays with adjustable time delay and sensitivity.**
- **Suitable for direct pulse current.**
- **Immune to external disturbances.**
- Very high level of immunity.
- 22,5 mm wide. Saving space in the distribution board.
- DIN rail mounting.
- To be used with CT-1 and CTD-1 toroidal transformers (See page 145).
- Suitable for Motor Control Centres (MCC), electrical distribution boards and control panels in general.

D30



SUPERIMMUNIZED MULTIRANGE RELAY

- **Electronic relays with adjustable time delay and sensitivity.**
- **Suitable for direct pulse current.**
- **Immune to external disturbances.**
- Very high level of immunity.
- Modular size. DIN rail mounting.
- To be used with CT-1 and CTD-1 toroidal transformers (See page 145).
- Suitable for electrical distribution boards and control panels in general.
- Sealable front cover

DM30

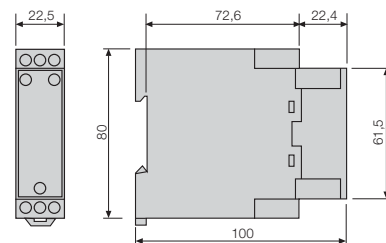


MODELS	D30		DM30	
Sensitivity	Adjustable from 0,03 A to 30 A		Adjustable from 0,03 A to 30 A	
Trip time delay	Adjustable from 0,02 s to 5 s		Adjustable from 0,02 s to 5 s	
Aux. voltage supply 50/60 Hz	120 Vac	230 Vac	120 Vac	230 Vac
Code	41021	41020	41023	41022

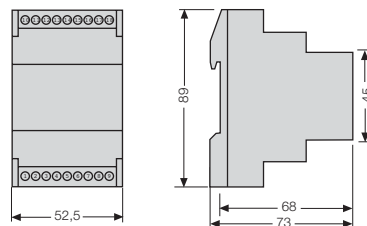
CARACTERÍSTICAS				
Toroidal transformer	In combination with CT-1			
Max. length between relay and transformer	Cable section mm ²			
	0,22 mm ²	0,75 mm ²	1 mm ²	1,5 mm ²
	Max. length m			
	15 m	55 m	75 m	110 m
Reset mode	Automatic, manual and remote (in manual mode disconnect the aux. Supply during 1s)			
Signalling LED's	2 LED's: ON + (trip)			
Output contacts mode	Selectable: normally de-energized (N) or energized (P)			
Output contacts	1 change over NO-NC			
Switching power (resistive load)	I _{th} : 5A; AC15 - 250V - 2A; DC13 - 30V - 2A			
Maximum terminal section	2,5 mm ²			
Maximum consumption	7 VA - 230 V		2,5 VA (120 - 230 V)	
Modular size	No. 22,5 mm wide		3 modules x 17,5 mm = 52,5 mm	
Frequency	50/60 Hz			
Protection degree / weight	IP-20 / 0,2 kg			
Storage / operation temperature	-10°C +60°C			
Standards	EN 50263, EN 61543 (A11), EN 60255-5, VDE 0664, 61008-1/A14, 61000-4-11			

DIMENSIONS (mm)

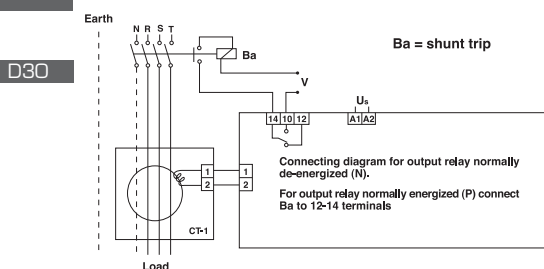
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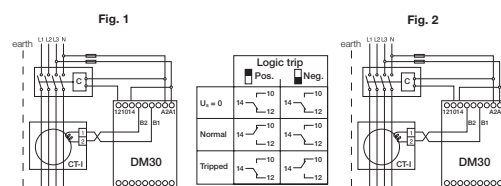
DM30



WIRING DIAGRAM



DM30



	C Undervoltage trip coil Contactor	C Shunt trip coil	Trip Logic
Safety Priority	Fig. 2	Fig. 1	Posit.
Service Priority	Fig. 1	Fig. 2	Negat.