

DT1 DIN Rail Surge Protection Class I+II 12.5 kA, 3+0 Mode



CERTIFICERINGER



FUNKTIONER

Compact, yet high surge rated pluggable design, using minimum DIN rail width

External back-up fuse is not required up to 315 A (IEC only)

Retaining clip ensures enhanced vibration and shock resistance performance

Red/Green status indication and change-over contacts standard for remote monitoring

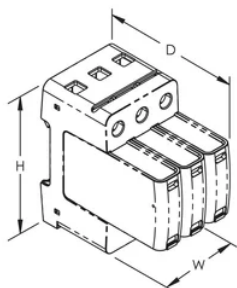
SPECIFIKATIONER

Katalognummer	DT130030R	DT148030R	DT175030R
Nominal System Voltage (Un)	240 V	400 V	600 V
Max Continuous Operating Voltage (Uc)	300 V	480 V	750 V
Nominal Discharge Current (In), IEC	20kA 8/20 μ s	20kA 8/20 μ s	20kA 8/20 μ s
Max Discharge Current (Imax), IEC	50kA 8/20 μ s	50kA 8/20 μ s	35kA 8/20 μ s

Katalognummer	DT130030R	DT148030R	DT175030R
Impulse Current (Iimp)	12.5kA 10/350 µs	10kA 10/350 µs	5kA 10/350 µs
Voltage Protection Level (Up)	1400V	2000V	2700V
Response Time	25 ns Max	25 ns Max	25 ns Max
Back-Up Fuse @ Isccr	250 A @ 50 kA 315 A @ 25 kA	250 A @ 50 kA 315 A @ 25 kA	250 A @ 50 kA
Frequency	50 - 60 Hz	50 - 60 Hz	50 - 60 Hz
Short Circuit Current Rating (Isccr)	25kA 50kA	25kA 50kA	50kA
Protection Modes	L-PEN	L-PEN	L-PEN
Temporary Over Voltage 120 min (Ut/mode)	442 V Safe Fail	762 V Safe Fail	1143 V Safe Fail
Temporary Over Voltage Withstand 5 s (Ut)	337V	581V	871V
Voltage Protection Rating (VPR)	900V	1500V	2500V
Nominal Discharge Current (In), UL	20kA 8/20 µs	20kA 8/20 µs	20kA 8/20 µs
Replacement Module	DT1300M	DT1480M	DT1750M
Short Circuit Current Rating (SCCR)	150kA	200kA	150kA
Technology	Thermal Disconnect	Thermal Disconnect	Thermal Disconnect
Connection, Solid	35 mm² Max	35 mm² Max	35 mm² Max
Connection, Stranded	25 mm² Max	25 mm² Max	25 mm² Max
Torque (TQ)	4.5 N·m	4.5 N·m	4.5 N·m
Humidity	5 - 95	5 - 95	5 - 95
Temperature	-35 to 85 °C	-35 to 85 °C	-35 to 85 °C
Enclosure Material	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic	UL® 94V-0 Thermoplastic
Enclosure Rating	IP 20	IP 20	IP 20
Mounting	35 mm top hat DIN rail	35 mm top hat DIN rail	35 mm top hat DIN rail
Remote Contact Switching Capacity	0.5 A @ 12 VDC 0.5 A @ 24 VDC 0.5 A @ 48 VDC 1 A @ 125 VAC 1 A @ 250 VAC	0.5 A @ 12 VDC 0.5 A @ 24 VDC 0.5 A @ 48 VDC 1 A @ 125 VAC 1 A @ 250 VAC	0.5 A @ 12 VDC 0.5 A @ 24 VDC 0.5 A @ 48 VDC 1 A @ 125 VAC 1 A @ 250 VAC
Remote Contacts	Yes	Yes	Yes
Status Indication	Mechanical flag	Mechanical flag	Mechanical flag
Dybde (D)	92mm	92mm	92mm
Height (H)	90 mm	90 mm	90 mm

Katalognummer	DT130030R	DT148030R	DT175030R
Width (W)	54 mm	54 mm	54 mm
Unit Weight	0.51 kg	0.57 kg	0.58 kg
Certification Details	UL® 1449 Edition 5 Type 1CA	UL® 1449 Edition 5 Type 1CA	UL® 1449 Edition 5 Type 1CA
Complies With	EN 61643-11 Type 1, Type 2 IEC® 61643-11 Class I, Class II	EN 61643-11 Type 1, Type 2 IEC® 61643-11 Class I, Class II	EN 61643-11 Type 1, Type 2 IEC® 61643-11 Class I, Class II
Certificeringer	CE, ERICO DT1 Series, UR, cUR, VDE	CE, ERICO DT1 Series, UR, cUR, VDE	

DIAGRAMS



ADVARSEL

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North America

+1.800.753.9221
Option 1 – Customer Care
Option 2 – Technical
Support

Europe

Netherlands:
+31 800-0200135
France:
+33 800 901 793

Europe

Germany:
800 1890272
Other Countries:
+31 13 5835404

APAC

Shanghai:
+ 86 21 2412 1618/19
Sydney:
+61 2 9751 8500



Vores kraftfulde portefølje af mærker:

CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE