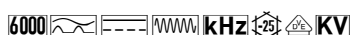




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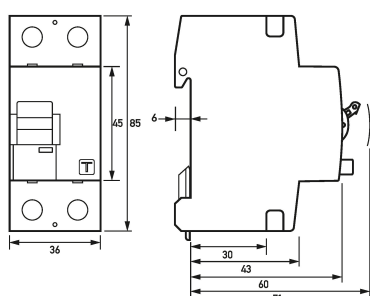
AC/DC sensitive, fire protection according to VDE 0100-420, for PV installations, for harsh environments



Series	DFS 2 PV HD
Number of poles	2
Residual current type	B+
Rated current (AC)	25 A
Bemessungsfehlerstrom IΔn	0.3 A
Short-time delayed	true
Selective	false
min. Operating voltage range of test circuit	195 V
max. Operating voltage range of test circuit	250 V
Minimum rated operating voltage (Type A/AC operation)	0 V AC
Minimum rated operating voltage (Type B operation)	50 V AC
Non-trip time	13 ms

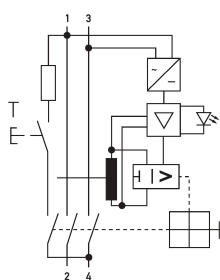
Tripping frequency	0 Hz ... 20 kHz
Maximum disconnection times	$1 \cdot I_{\Delta n} \leq 300 \text{ ms}; 5 \cdot I_{\Delta n} \leq 40 \text{ ms}$
Internal consumption	max. 0.8 W
Specification	load circuit
min. Contact opening	load disconnect contact
Rated voltage (AC)	4 mm
Rated current (AC)	230 V
Rated short-circuit current	25 A
Surge current strength	6 kA
max. Total rated switching capacity	3 kA
Rated insulation voltage	500 A
Rated impulse withstand voltage	400 V
Rated frequency	4 kV
Current heat loss per current path	50 Hz
Thermal Backup-fuse OCPD	0.5 W
Short-circuit backup-fuse SCPD	25 A
Back-up fuse type	100 A
I^2t strength	gG
Dynamic current strength I_p	48 kA ² s
	6 kA
	screw-type terminal top and bottom (load circuit)
Neutral conductor position	left or right
Protection against direct contact	DGUV V3, VDE 0660-514, finger and back-of-hand proof
Connection C1 Maximum number of conductors per terminal	2 (conductors of same type and cross-section)
Cross section solid	1-wire: 1.5 mm ² ... 50 mm ² ; 2-wire: 1.5 mm ² ... 16 mm ²
Connecting capacity flexible	1-wire: 1.5 mm ² ... 50 mm ² ; 2-wire: 1.5 mm ² ... 16 mm ²
Cross section stranded	1-wire: 1.5 mm ² ... 50 mm ² ; 2-wire: 1.5 mm ² ... 16 mm ²
Cross section AWG, solid	15 ... 1
Cross section AWG, stranded	15 ... 1
Cross section AWG, flexible	15 ... 1
Cross section AWG, flexible with ferrule	15 ... 1
Tightening torque	2.5 Nm ... 3 Nm
	General data
Operating position	optional
max. Operating altitude above MSL	2000 m
Mechanical endurance	min. 4000 cycles
Surrounding atmosphere	harsh environmental conditions
Storage temperature	-40 °C ... 70 °C
Ambient temperature	-25 °C ... 60 °C
Climate resistance	according to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH)
Housing type	distribution board housing
Installation type	Mounting rail (35 mm)
Housing material	thermoplastic
Protection class	IP20 (installed: IP40)
sealable	true
Width	36 mm
Height	85 mm
Depth	75 mm
Installation depth	69 mm
Module widths	2
Weight	0.218 kg
Design requirements/Standards	VDE 0664-10, VDE 0664-400, ÖVE/ÖNORM E 8601, EN 61008-1, EN 62423
Degree of pollution	2
Certifications	VDE

Dimensions



Dimensioned drawing residual current circuit-breaker DFS 2 025-2/0,30-PV HD

Wiring example



Wiring example residual current circuit-breaker DFS 2 025-2/0,30-PV HD