

DATA SHEET

residual current circuit-breaker DFS 2 100-2/0,50-A

sensitive to pulsating and alternating currents Type A
Article number 09167601





Function

Residual current circuit-breakers (RCCBs) are components for implementing protective measure "Automatic disconnection of the power supply" as per VDE 0100 part 410 or corresponding international installation regulations. Series DFS 2 devices are compact two-pole residual current circuit-breakers for single-phase networks. In the standard design, they only take up two module-width units of space. In spite of the compact dimensions, a number of different tripping currents and characteristics are available at rated currents, depending on the design, up to 125 A. They also have large two-tier terminals for large conductor cross-sections, a practical multi-functional switch toggle and can be provided with labels using free-of-charge software. Type A residual current circuit-breakers are sensitive to pulsating and alternating currents. This function is independent of the mains voltage. Devices in the standard design are intended for monitoring circuits with a rated voltage of 230 V and a rated frequency of 50 Hz.

Features

tripping not dependent on mains and auxiliary voltage, sensitive to AC residual currents and pulsating DC residual currents (type A), compact design for all rated currents, high short-circuit resistance, double-sided two-tier terminals for large conductor cross-section and busbar, switch position indicator, viewing window for labels, multifunction switch toggle with three positions: "on", "off" and "tripped", Neutral conductor position left or right

Mounting

quick fastening to mounting rail, any installation position, supply from any direction

Applications

Power supplies to residential and purpose-built buildings as well as industrial facilities with TN-S, TT and TN-C-S networks. In IT networks, the residual current circuit-breakers of this series can be set to switch off in the event of a second fault, Excluded is the application in TN-C systems and for the protection of installations in which electronic equipment could generate smooth DC currents or residual currents with frequencies other than 50 Hz. Comprehensive protection is not provided in this case. For these applications we recommend our AC/DC sensitive residual current circuit-breakers (Type B or B+).

Accessories

automatic reclosing devices DFA, terminal caps KA, information stickers HAS, auxiliary switches DHi, restart locks DFS WES, software DBS

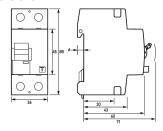
Technical Data

Technical Data	DFS 2 100-2/0,50-A
Series	DFS 2 A
Number of poles	2
Residual current type	A
Rated current (AC)	100 A
Rated residual current I∆n	0.5 A
Short-time delayed	false
Selective	false
min. Operating voltage range of test circuit	100 V
max. Operating voltage range of test circuit	250 V
Maximum disconnection times	1 · IΔn: ≤ 300 ms; 5 · IΔn: ≤ 40 ms

Specification Ioad circuit	Technical Data	DFS 2 100-2/0,50-A
Specification load disconnect contact min. Contact opening 4 mm Rated voltage (AC) 230 V Rated sont-circuit current 10 A Surge current strength 0.25 kA max. Total rated switching 3000 A capacity 400 V Rated insulation voltage 4,6V Rated insulation voltage 4,6V Rated inspuse withstand voltage 4,6V Rated voltage with stand voltage 125 A Gonnectic Canada voltag	recinical Data	
min. Contact opening Rated voltage (AC) Rated short-circuit current 10 A Rated short-circuit current 10 CA Rated short-circuit current 10 CA Rated short-circuit current 10 CA Rated insulation voltage 10 CA Rat	Specification	*****
Rated voltage (AC) 330 V Rated short-circuit current 100 A Surge current strength 0.25 kA max. Total rated switching 10000 A Rated insulation voltage 4,00 V Rated insulation voltage 4,60 V Connection in Max Max Nama 1,60 mm	•	
Rated short-circuit current 10 kA Surge current strength 0.35 kA max. Total rated switching capacity Rated insulation voltage Rated Mark Voltage Rated insulation voltage insulation voltage insulation voltage insulation voltage Rated insulation voltage insulation voltage in		·
Rated short-circuit current Surge current strength O a 25 kA Surge current strength O a 25 kA Max. Total rated switching capacity Rated insulation voltage Rated insulation voltage in the motivation in the voltage	-	
Surge current strength 0.25 kA max. Total rated switching capacity Rated insulation voltage		
max. Total rated switching capacity Rated insulation voltage Rated inmpulse withstand voltage Rated frequency So Hz Current heat loss per current path Thermal Backup-fuse CCPD Back up-fuse CCP		
capacity Rated insulation voltage Rated insulation withstand voltage Rated insulation withstand voltage Rated insulation withstand voltage Rated insulation withstand voltage Rated frequency So Hz Current heat loss per current poth Poth Rated insulation with the discovered poth path Poth Rated insulation with the discovered poth path Poth Rated insulation with the discovered path path Rated insulation with the discovered path path Rated insulation with the discovered path Rated insulation		
Rated insulation voltage 4,6 V Rated inpulse withstand voltage 4,6 V Rated inpulse withstand voltage 5,0 Hz Current heat loss per current path 6 W path Thermal Backup-fuse OCPD 8,0 A Short-circuit backup-fuse SCPD 1,15 A Back-up fuse type 9 Screw-type terminal top and bottom (load circuit) Neutral conductor position left or right Protection against direct contact DGUV V3, VDE o660-5,14, finger and back-of-hand proof Connection C1 Maximum 2 (conductors of same type and cross-section) number of conductors per terminal Cross section solid 1-wire: 1,5 mm² 50 mm²; 2-wire: 1,5 mm² 16 mm² Cross section solid 1-wire: 1,5 mm² 50 mm²; 2-wire: 1,5 mm² 16 mm² Cross section AWG, solid 15 1 Cross section AWG, solid 55 1 Cross section AWG, flexible 15 1 Cross section AWG, flexible 15 1 Cross section AWG, flexible 15 1 Cross section AWG, flexible with 15 1 Fightening lorque 2.5 Mm 3 Nm Ceneral data Optional max. Operating position optional max. Operating position optional max. Operating altitude above MSL Muchanical endurance min. 2000 cycles Electrical endurance min. 2000 cycles Surrounding atmosphere normal environmental conditions Storage temperature 1.35 °C 75 °C Arnbient temperature 2.5 °C 40 °C Climate resistance according to IEC 60068-2.30 humid heat / cyclic (25 °C; 93 % / 97 % RH) Shock resistance 2 og / 2 or mS Duration Fatigue limit > 5 g (f 8 80 Hz, duration > 3 min.) Housing material three Width 36 mm		100071
Rated impulse withstand voltage Rated frequency So Hz Current heat loss per current path Thermal Backup-fuse CCPD 8 o A Short-circuit backup-fuse SCPD 125 A Back-up fuse type 9 gG screw-type terminal top and bottom (load circuit) Neutral conductor position Protection against direct contact DGUV V3, VDE o660-514, finger and back-of-hand proof Connection C1 Maximum 1 (conductors of same type and cross-section) number of conductors per terminal Connection C2 Maximum 2 (conductors of same type and cross-section) number of conductors per terminal Consection Solid 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Consection spacity flexible 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Cross section AWG, solid 15 1 Cross section AWG, stranded 1 wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Cross section AWG, flexible 15 1 Cross section AWG, flexible with ferrule Tightening torque 2.5 Nm 3 Nm General data Operating position optional max. Operating altitude above MSL Mechanical endurance min. 2000 cycles Electrical endurance min. 2000 cycles Electrical endurance min. 2000 cycles Climate resistance according to IEC 60068-2: 30: humind heat / cyclic (25 °C; 93 % / 97 % RH) Shock resistance 20 9 / or mo Duration Fatigue limit > 5 g (f s B Hz, duration > 30 min.) Housing type distribution board housing Installation type Mounting all (35 mm) Housing material Hermoplastic Housing material Hermoplastic		400 V
Rated frequency Current heat loss per current path Thermal Backup-fuse OCPD Back-up fuse type fuse type Back-up fuse type fuse type Back-up fuse type Back-up fuse type fuse f		•
Current heat loss per current path Path Path Path Path Path Path Path P		<u> </u>
Path Thermal Backup-fuse OCPD Back-up fuse SCPD Back-up fuse type gG screw-type terminal top and bottom (load circuit) Neutral conductor position Protection against direct contact Connection C1 Maximum number of conductors per terminal Cross section solid 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Cross section stranded 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Cross section stranded 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Cross section AWG, solid 15 1 Cross section AWG, sloid 15 1 Cross section AWG, flexible 16 1 Cross section AWG, flexible 17 1 General data Operating position Qptional Max. Operating altitude above MSL Mechanical endurance Min. 2000 cycles Electrical endurance Surrounding atmosphere normal environmental conditions Storage temperature 15 °C 75 °C Ambient temperature 20 °G (15 °G	. ,	-
Short-circuit backup-fuse SCPD Back pruse type Screw-type terminal top and bottom (load circuit) Neutral conductor position Neutral conductor position Protection against direct contact Connectino C3 Maximum number of conductors per terminal Cross section solid Cross section solid Cross section solid 1-wire: 1.5 mm² 50 mm², 2-wire: 1.5 mm² 16 mm² Cross section stranded 1-wire: 1.5 mm² 50 mm², 2-wire: 1.5 mm² 16 mm² Cross section AWG, solid 15 1 Cross section AWG, sloid 15 1 Cross section AWG, flexible 16 1 Cross section AWG, flexible with ferrule Tightening torque 2.5 Nm 3 Nm General data Operating position Application and protection application are protected and and application are protected and application are protected and and application are protected and and application	·	
Back-up fuse type screw-type terminal top and bottom (load circuit) Neutral conductor position Protection against direct contact DGUV V3, VDE 6660-514, finger and back-of-hand proof Connection C1 Maximum number of conductors per terminal Cross section solid 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Connecting capacity flexible 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Cross section stranded 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Cross section AWG, solid 15 1 Cross section AWG, stranded 15 1 Cross section AWG, flexible 15 1 Cross section AWG, flexible 15 1 General data Operating position Optional max. Operating altitude above MSL Mechanical endurance Electrical endurance Surrounding atmosphere Inormal environmental conditions Storage temperature 2.5 °C 40 °C Climate resistance according to IEC 60068-2-30: humid heat; cyclic (25 °C / 55 °C, 93 % / 97 % RH) Shock resistance Amount of the condition of the properties of the pr	Thermal Backup-fuse OCPD	8o A
Screw-type terminal top and bottom (load circuit) Neutral conductor position left or right	Short-circuit backup-fuse SCPD	125 A
Neutral conductor position Ieft or right	Back-up fuse type	gG
Neutral conductor position Ieft or right		screw-type terminal top and bottom (load circuit)
Connection C1 Maximum number of conductors per terminal Cross section solid 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² .	Neutral conductor position	
Connection C1 Maximum number of conductors per terminal Cross section solid 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 m	·	
number of conductors per terminal Cross section solid 1-wire: 1,5 mm² 50 mm²; 2-wire: 1,5 mm² 16 mm² Connecting capacity flexible 1-wire: 1,5 mm² 50 mm²; 2-wire: 1,5 mm² 16 mm² Cross section stranded 1-wire: 1,5 mm² 50 mm²; 2-wire: 1,5 mm² 16 mm² Cross section AWG, solid 15 1 Cross section AWG, stranded 15 1 Cross section AWG, flexible with 15		
Cross section solid 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Connecting capacity flexible 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Cross section stranded 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Cross section AWG, solid 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 Machanical endurance min. 5000 cycles Electrical endurance min. 5000 cycles Electrical endurance min. 2000 cycles Surrounding atmosphere normal environmental conditions Storage temperature -35 °C 75 °C Ambient temperature -25 °C 40 °C Climate resistance according to IEC 60068-2-30. humid heart / cyclic (cs °C / 55 °C, 93 % / 97 % RH) Shock resistance according to IEC 60068-2-30. humid heart / cyclic (cs) °C / 55 °C, 93 % / 97 % RH) Shock resistance 20 g / 20 ms Duration Fatigue limit > 5 g (f ≤ 80 Hz, duration > 30 min.) Housing type distribution board housing Installation type	number of conductors per	, ,,
Connecting capacity flexible 1-wire: 1.5 mm² 90 mm²; 2-wire: 1.5 mm² 16 mm² Cross section AWG, solid 15 1 Cross section AWG, stranded 15 1 Cross section AWG, flexible Cross section AWG, flexible Cross section AWG, flexible Cross section AWG, flexible with ferrule Tightening torque 2.5 Nm 3 Nm General data Operating position max. Operating altitude above MSL Mechanical endurance Electrical endurance Surrounding atmosphere Surrounding atmosphere Surrounding atmosphere Ambient temperature 2.5 °C 40 °C Climate resistance 2 og / 20 ms Duration Fatigue limit Song type Installation type Mounting rail (35 mm) Housing material Protection class IP20 (installed: IP40) Sealable true Width Width Tightening 2 16 mm² 16 mm² 15 1 15	terminal	
Cross section stranded 1-wire: 1.5 mm² 50 mm²; 2-wire: 1.5 mm² 16 mm² Cross section AWG, solid 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. 5000 cycles Electrical endurance min. 2000 cycles Surrounding atmosphere normal environmental conditions Storage temperature -35 °C 75 °C Ambient temperature -25 °C 40 °C Climate resistance according to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH) Shock resistance 20 g / 20 ms Duration Fatigue limit > 5 g (f ≤ 80 Hz, duration > 30 min.) Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true	Cross section solid	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 MChanical endurance min. 5000 cycles Electrical endurance min. 2000 cycles Surrounding atmosphere normal environmental conditions Storage temperature -35 °C 75 °C Ambient temperature -25 °C 40 °C Climate resistance according to IEC 60068-2-30: humid heat / cyclic (25 °C/55 °C; 93 % / 97 % RH) Shock resistance 20 g / 20 ms Duration Fatigue limit > 5 g (f ≤ 80 Hz, duration > 30 min.) Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true Width 36 mm	Connecting capacity flexible	1-wire: 1.5 mm ² 50 mm ² ; 2-wire: 1.5 mm ² 16 mm ²
Cross section AWG, stranded Cross section AWG, flexible Cross section AWG, flexible with ferrule 15 1 15 1 15 1 15 1 16 1 17 1 18 1 19	Cross section stranded	1-wire: 1.5 mm ² 50 mm ² ; 2-wire: 1.5 mm ² 16 mm ²
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. 5000 cycles Electrical endurance min. 2000 cycles Surrounding atmosphere normal environmental conditions Storage temperature -35 °C 75 °C Ambient temperature -25 °C 40 °C Climate resistance according to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C, 93 % / 97 % RH) Shock resistance 20 g / 20 ms Duration Fatigue limit > 5 g (f ≤ 80 Hz, duration > 30 min.) Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true Width 36 mm	Cross section AWG, solid	151
Cross section AWG, flexible with ferrule Tightening torque 2.5 Nm 3 Nm General data Operating position max. Operating altitude above MSL Mechanical endurance Electrical endurance Surrounding atmosphere Surrounding atmosphere Formal environmental conditions Storage temperature -25 °C 75 °C Ambient temperature according to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH) Shock resistance Fatigue limit > 5 g (f ≤ 80 Hz, duration > 30 min.) Housing type Installation type Mounting rail (35 mm) Housing material Protection class IP20 (installed: IP40) sealable true Width	Cross section AWG, stranded	15 1
ferruleTightening torque2.5 Nm 3 NmGeneral dataOperating positionoptionalmax. Operating altitude above MSL2000 mMechanical endurancemin. 5000 cyclesElectrical endurancemin. 2000 cyclesSurrounding atmospherenormal environmental conditionsStorage temperature-25 °C 75 °CAmbient temperature-25 °C 40 °CClimate resistanceaccording to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH)Shock resistance20 g / 20 ms DurationFatigue limit> 5 g (f ≤ 80 Hz, duration > 30 min.)Housing typedistribution board housingInstallation typeMounting rail (35 mm)Housing materialthermoplasticProtection classIP20 (installed: IP40)sealabletrueWidth36 mm	Cross section AWG, flexible	151
Tightening torque Ceneral data Operating position max. Operating altitude above MSL Mechanical endurance Electrical endurance Surrounding atmosphere Storage temperature Ambient temperature Climate resistance according to IEC 60068-2-30: humid heat / cyclic (25 °C, 93 % / 97 % RH) Shock resistance Fatigue limit S 5 g (f ≤ 80 Hz, duration > 30 min.) Housing type Housing material Protection class Electrical endurance min. 2000 cycles min. 2000 cycles min. 2000 cycles mormal environmental conditions Storage temperature -35 °C 75 °C Ambient temperature -25 °C 40 °C Climate resistance according to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C, 93 % / 97 % RH) Shock resistance 20 g / 20 ms Duration Fatigue limit >5 g (f ≤ 80 Hz, duration > 30 min.) Housing type Mounting rail (35 mm) Housing material Thermoplastic Protection class IP 20 (installed: IP 40) sealable true Width	· ·	151
General data Operating position optional max. Operating altitude above MSL 2000 m Mechanical endurance min. 5000 cycles Electrical endurance min. 2000 cycles Surrounding atmosphere normal environmental conditions Storage temperature -35 °C 75 °C Ambient temperature -25 °C 40 °C Climate resistance according to IEC 60068-2-30: humid heat / cyclic (25 °C/ 55 °C; 93 % / 97 % RH) Shock resistance 20 g / 20 ms Duration Fatigue limit > 5 g (f ≤ 80 Hz, duration > 30 min.) Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true Width 36 mm	ferrule	
Operating position optional max. Operating altitude above MSL Mechanical endurance min. 5000 cycles Electrical endurance min. 2000 cycles Surrounding atmosphere normal environmental conditions Storage temperature -35 °C 75 °C Ambient temperature -25 °C 40 °C Climate resistance according to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH) Shock resistance 20 g / 20 ms Duration Fatigue limit 55 g (f ≤ 80 Hz, duration > 30 min.) Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true Width 36 mm	Tightening torque	
max. Operating altitude above MSL Mechanical endurance min. 5000 cycles Electrical endurance min. 2000 cycles Surrounding atmosphere normal environmental conditions Storage temperature -35 °C 75 °C Ambient temperature -25 °C 40 °C Climate resistance according to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH) Shock resistance 20 g / 20 ms Duration Fatigue limit >5 g (f ≤ 80 Hz, duration > 30 min.) Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true Width 36 mm		General data
MSLMechanical endurancemin. 5000 cyclesElectrical endurancemin. 2000 cyclesSurrounding atmospherenormal environmental conditionsStorage temperature-35 °C 75 °CAmbient temperature-25 °C 40 °CClimate resistanceaccording to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C, 93 % / 97 % RH)Shock resistance20 g / 20 ms DurationFatigue limit> 5 g (f ≤ 80 Hz, duration > 30 min.)Housing typedistribution board housingInstallation typeMounting rail (35 mm)Housing materialthermoplasticProtection classIP20 (installed: IP40)sealabletrueWidth36 mm		optional
Mechanical endurancemin. 5000 cyclesElectrical endurancemin. 2000 cyclesSurrounding atmospherenormal environmental conditionsStorage temperature-35 °C 75 °CAmbient temperature-25 °C 40 °CClimate resistanceaccording to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH)Shock resistance20 g / 20 ms DurationFatigue limit> 5 g (f ≤ 80 Hz, duration > 30 min.)Housing typedistribution board housingInstallation typeMounting rail (35 mm)Housing materialthermoplasticProtection classIP20 (installed: IP40)sealabletrueWidth36 mm		2000 m
Electrical endurance Surrounding atmosphere Storage temperature -35 °C 75 °C Ambient temperature -25 °C 40 °C Climate resistance according to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH) Shock resistance 20 g / 20 ms Duration Fatigue limit >5 g (f ≤ 80 Hz, duration > 30 min.) Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material Protection class IP20 (installed: IP40) sealable Width 36 mm		
Surrounding atmospherenormal environmental conditionsStorage temperature-35 °C 75 °CAmbient temperature-25 °C 40 °CClimate resistanceaccording to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH)Shock resistance20 g / 20 ms DurationFatigue limit> 5 g (f ≤ 80 Hz, duration > 30 min.)Housing typedistribution board housingInstallation typeMounting rail (35 mm)Housing materialthermoplasticProtection classIP20 (installed: IP40)sealabletrueWidth36 mm		
Storage temperature-35 °C 75 °CAmbient temperature-25 °C 40 °CClimate resistanceaccording to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH)Shock resistance20 g / 20 ms DurationFatigue limit> 5 g (f ≤ 80 Hz, duration > 30 min.)Housing typedistribution board housingInstallation typeMounting rail (35 mm)Housing materialthermoplasticProtection classIP20 (installed: IP40)sealabletrueWidth36 mm		
Ambient temperature-25 °C 40 °CClimate resistanceaccording to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH)Shock resistance20 g / 20 ms DurationFatigue limit> 5 g (f ≤ 80 Hz, duration > 30 min.)Housing typedistribution board housingInstallation typeMounting rail (35 mm)Housing materialthermoplasticProtection classIP20 (installed: IP40)sealabletrueWidth36 mm	- '	
Climate resistance according to IEC 60068-2-30: humid heat / cyclic (25 °C / 55 °C; 93 % / 97 % RH) Shock resistance 20 g / 20 ms Duration Fatigue limit > 5 g (f ≤ 80 Hz, duration > 30 min.) Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true Width 36 mm		
Shock resistance $20 \text{ g/} 20 \text{ ms Duration}$ Fatigue limit> 5 g (f ≤ 80 Hz, duration > 30 min.)Housing typedistribution board housingInstallation typeMounting rail (35 mm)Housing materialthermoplasticProtection classIP20 (installed: IP40)sealabletrueWidth36 mm		
Fatigue limit > 5 g (f ≤ 80 Hz, duration > 30 min.) Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true Width 36 mm		
Housing type distribution board housing Installation type Mounting rail (35 mm) Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true Width 36 mm		
Installation type Mounting rail (35 mm) Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true Width 36 mm	-	
Housing material thermoplastic Protection class IP20 (installed: IP40) sealable true Width 36 mm		
Protection class IP20 (installed: IP40) sealable true Width 36 mm		-
sealable true Width 36 mm		·
Width 36 mm		IP20 (installed: IP40)
		true
Height 85 mm		36 mm
	Height	8 ₅ mm

Technical Data	DFS 2 100-2/0,50-A
Depth	75 mm
Installation depth	69 mm
Module widths	2
Weight	0.256 kg
Design requirements/Standards	VDE 0664-10, DIN EN 61008-1
Degree of pollution	2
Certifications	VDE

Dimensions



Wiring example



Dimensional drawing Group view

Wiring diagram