

PRODUCT-DETAILS

## F204 B-25/0.3

## F204 B-25/0.3 Residual Current Circuit Breaker 4P B type 300 mA



General Information		
Extended Product Type	F204 B-25/0.3	
Product ID	2CSF204568R3250	
EAN	8012542342250	
Catalog Description	F204 B-25/0.3 Residual Current Circuit Breaker 4P B type 300 mA	
Long Description	The RCCBs F200 series assures protection to people and installations against fault current to earth. This product is manufactured according to international IEC standards, for the markets where it is required.	
Circular Value Circular Design Principles	Design for Closing Resource Loops - Standard EN45555 - 51,4 %	
Recyclability Rate		
Sustainable Material Content	0 %	
End of Life Instructions	9AKK108468A4363	
Eco Transparency		
Environmental Product Declaration - EPD	9AKK108467A3700	

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ted Festidual Current Bytes  ted Voltage (Up) 2304/40V Voltage  ted Operational Voltage (Pp) 3204/40V Voltage  ted Operational Voltage (Pp) 3204/40V Volta	Technical	
ted Voltage (U <sub>II</sub> )	Standards	IEC/EN 61008
ted Operational Voltage   230 i / 400 V AC ted Insulation Voltage   440 V   1	Type of Residual Current	B type
ted insulation Voltage   440 V   51 Voltage (Ut)   170-253 V AC ted Impulse Withstand (Bige (Umph))   170-253 V AC ted Current (In)   250 V AC ted Current (In)   250 V AC ted Current (In)   250 V AC ted Residual Exrenking (Bige (Umph))   170-253 V AC Ted Residual Exrenking (Umph)   170-253 V AC T	Rated Voltage (U <sub>r</sub> )	230/400 V
st vlottage (Ut) 170-253 V AC Ited Impulse Withstand 180 (Ump) 170-253 V AC Ited Ed Current (In) 170-253 V AC Ited Residual Current 180 (Ump) 180 (	Rated Operational Voltage	230 / 400 V AC
ted impulse Withstand tage (I <sub>mp</sub> )         4 kV           tage (I <sub>mp</sub> )         2500 V           ted Current (I <sub>n</sub> )         250 N           ted Current (I <sub>n</sub> )         25 A           ted Residual Current         300 mA           ted Residual Breaking         1 kA           pacity (I <sub>k</sub> )         1 kA           ted Conditional Short-cuit Current (I <sub>n</sub> )         1 (max, 8/20 µs) 3000 A           ted Conditional Short-cuit Current (I <sub>n</sub> )         1 (max, 8/20 µs) 3000 A           with a Expectation of the Conditional Short-cuit Current (I <sub>n</sub> )         1 (max, 8/20 µs) 3000 A           with a Expectation of the Conditional Short-cuit Current (I <sub>n</sub> )         3 kA           with a Expectation of the Conditional Short-cuit Current (I <sub>n</sub> )         3 kA           with a Expectation of the Conditional Short-cuit Current (I <sub>n</sub> )         3 kA           with a Expectation of the Conditional Short-cuit Current (I <sub>n</sub> )         3 kA           with a Expectation of the Conditional Short-cuit Current (I <sub>n</sub> )         4           with a Expectation of the Conditional End of the Conditional Short-cuit Current (I <sub>n</sub> )         4           with a Expectation of Neutral minals with the Conditional Short-cuit Current (I <sub>n</sub> )         1 (Instantaneous (APR High Immunity)           were stational of Neutral minals with the Conditional Current (I <sub>n</sub> )         1 (Instantaneous (APR High Immunity)           with a E	Rated Insulation Voltage (U <sub>i</sub> )	440 V
tage (Ū <sub>imp</sub> ) electric Test Voltage	Test Voltage (Ut)	170-253 V AC
but Voltage Type         AC           ted Current (In)         25 A           ted Residual Current         300 mA           ted Residual Breaking backly (Idm)         1 kA           ted Conditional Short-current (Inc)         10 kA           bulse Current         1 (max, 8 / 20 µs) 3000 A           ximum Surge Current         3 kA           ted Frequency (f)         55 _ 60 Hz           wer Loss         3 43 W           ted Frequency (f)         5 _ 60 Hz           wer Loss         10000 cycle           chanical Endurance         100000 cycle           chanical Endurance         20000 cycle           chanical Endurance         20000 cycle           chanical Endurance         10000 cycle           chanical Endurance         20000 cycle           chanical Endurance         20000 cycle           chanical Endurance         10000 cycle           chanical Endurance         20000 cycle           chanical Endurance         20000 cycle           chanical Endurance         10000 cycle           chanical Endurance         20000 cycle           chanical Endurance         10000 cycle           chanical Endurance         10000 cycle           chancies From Indention	Rated Impulse Withstand Voltage $(U_{imp})$	4 kV
ted Current (In) 25 A ted Residual Current ted Residual Breaking ted Residual Breaking activ (Idm) ted Conditional Short- current (Inc) ted Frequency (f) ted Frequency	Dielectric Test Voltage	2500 V
ted Residual Current	Input Voltage Type	AC
ted Residual Breaking pacity (IAm)  ted Conditional Short- curl Current I (max, 8 / 20 µs) 3000 A kimum Surge Current I (max, 8 / 20 µs) 3000 A kimum Surge Current I (max, 8 / 20 µs) 3000 A kimum Surge Current I (max, 8 / 20 µs) 3000 A kimum Surge Current I (max, 8 / 20 µs) 3000 A kimum Surge Current 3 A kA ted Frequency (f) 50 – 60 Hz wer Loss 3 43 W ket Loss 3 43 W ket Loss 3 34 W ket Loss 3 3	Rated Current (I <sub>n</sub> )	25 A
pacity (IAm)  ted Conditional Short- cut Current (Inc)  bulse Current  I (max, 8 / 20 µs) 3000 A ximum Surge Current  3 kA ted Frequency (f) 50 60 Hz wer Los 3 43 W tetrical Endurance 5 10000 cycle chanical Endurance 6 10000 cycle chanical Endurance 7 10000 cycle chanical Endurance 8 20000 cycle mber of Poles 9 4 d mber of Modular acings per DIN Rail erating Characteristic 9 Instantaneous (APR High Immunity) erating Characteristic 9 Instantaneous (APR High Immunity) erating Torque 1 2.8 N·m lay Time (T) 1 0 ms cessory Type 1 Auxiliary contact. Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit unuting Type 1 Auxiliary contact. Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit unuting Type 1 Falisafe Bi-directional Cylinder-lift Terminal tions Provided None unting Position 2 Sorger menting Position 3 One unting Position 4 None unting Position 6 Sorger menting Capacity 8 Busbar 10 mm² Flexible 1 25 mm² Flexible 2 25 mm² Flexible 2 25 mm² Flexible 3 25 mm² Flexible 3 25 mm² Flexible 1 25 mm² Flexible 1 25 mm² Flexible 2 25 mm² Flexible 3	Rated Residual Current	300 mA
cuit Current (Inc)           bulse Current         1 (max, 8 / 20 µs) 3000 A           ximum Surge Current         3 kA           ted Frequency (f)         50 60 Hz           wer Loss         3.43 Ws           vertical Endurance         10000 cycle           chanical Endurance         20000 cycle           mber of Poles         4           mber of Modular         4           actings per DIN Rail         4           erating Characteristic         Instantaneous (APR High Immunity)           erotting Characteristic         Instantaneous (APR High Immunity)           erotting Torque         2.8 Nm           lay Time (T)         10 ms           cessory Type         Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit unting Type         DIN-Rail           rew Terminal Type         Fallsafe Bi-directional Cylinder-lift Terminal tions Provided         None           unting Position         Any           cessories Available         Yes           mber of Batteries         0           ble Size         25 mm²           Inschible 1 25 mm²         Flexible 1 25 mm²           ted Cross-Section         1 - Solid-Core 1 25 mm²	Rated Residual Breaking Capacity (IΔm)	1 kA
kimum Surge Current  ted Frequency (f)  ted Frequency (f)  ser Loss  3.43 W  tetrical Endurance  10000 cycle chanical Endurance  10000 cycle mber of Poles  mber of Modular acings per DIN Rail erating Characteristic  retaing Torque  2.8 N·m lay Time (T)  10 ms  cessory Type  Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit returning Type  returning Type  Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit returning Type  returning Type  Failsafe Bi-directional Cylinder-lift Termial tions Provided  None unting Position  cessories Available  returning Capacity  Resuber 10 mm² Flexible 1 1. 25 mm² Stranded 1 25 mm²	Rated Conditional Short- Circuit Current (I <sub>nc</sub> )	10 kA
ted Frequency (f) 50 60 Hz wer Loss 3.43 W tertical Endurance 10000 cycle chanical Endurance 20000 cycle mber of Poles 20000 cycle mber of Modular acings per DIN Rail erating Characteristic Instantaneous (APR High Immunity) ervoltage Category III sitton of Neutral Right minals thening Torque 2.8 N·m lay Time (T) 10 ms exessory Type Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit provided None unting Position Position Any exessories Available Position Discovers Auxiliary Contact Signal Contact/auxiliary Contact Cylinder-lift Terminal tions Provided None unting Position Any exessories Available Yes mber of Batteries 0 0 ble Size 25 mm² Flexible 1 25 mm² Stranded 1 25 mm	Impulse Current	I (max, 8 / 20 μs) 3000 A
wer Loss 3.43 W totrical Endurance 10000 cycle chanical Endurance 20000 cycle mber of Poles 4 mber of Modular acings per DIN Rail erating Characteristic Instantaneous (APR High Immunity) ervoltage Category III sition of Neutral Right minals htening Torque 2.8 N·m lay Time (T) 10 ms cessory Type Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reciosing unit unting Type Palus Failsafe Bi-directional Cylinder-lift Terminal tions Provided None unting Position Any cessories Available Yes mber of Batteries 0 ble Size 25 mm² Flexible 1 25 mm² stranded 1 25 mm² tet Cross-Section 1 - Solid-Core 1 25 mm² stranded 1 25 mm² stranded 1 25 mm² stranded 1 25 mm² stranded 1 25 mm²	Maximum Surge Current	3 kA
tectrical Endurance 10000 cycle chanical Endurance 20000 cycle mber of Poles 4  Imber of Modular 4 acings per DIN Rail erating Characteristic Instantaneous (APR High Immunity) ervoltage Category III sition of Neutral minals thening Torque 2.8 N·m lay Time (T) 10 ms cessory Type Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit unting Type Pailsafe Bi-directional Cylinder-lift Terminal trew Terminal Type Failsafe Bi-directional Cylinder-lift Terminal tions Provided None unting Position Any cessories Available Yes mber of Batteries 0 0 ble Size 25 mm² Stranded 1 25 mm² St	Rated Frequency (f)	50 60 Hz
chanical Endurance 20000 cycle mber of Poles 4 mber of Modular acings per DIN Rail erating Characteristic Instantaneous (APR High Immunity) ervoltage Category III sition of Neutral minals thening Torque 2.8 N·m lay Time (T) 10 ms cessory Type Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit unting Type Pailsafe Bi-directional Cylinder-lift Terminal trew Terminal Type Failsafe Bi-directional Cylinder-lift Terminal tions Provided None unting Position Any cessories Available Yes mber of Batteries 0 ble Size 25 mm² Stranded 1 25 mm²	Power Loss	3.43 W
mber of Poles mber of Modular acings per DIN Rail erating Characteristic Instantaneous (APR High Immunity) ervoltage Category III sition of Neutral Right Imminals thening Torque 2.8 N·m lay Time (T) 10 ms cessory Type Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit unting Type Pailsafe Bi-directional Cylinder-lift Terminal tions Provided None unting Position Any cessories Available Sessories Available Desired Batteries mber of Batteries mber of Batteries meeting Capacity  The Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Notor operating device, Auto reclosing unit unting Type Failsafe Bi-directional Cylinder-lift Terminal Type Failsafe Bi-directional Cylinder-lift Terminal None unting Position Any cessories Available mber of Batteries  Die Size  Die S	Electrical Endurance	<del>`</del>
mber of Modular acings per DIN Rail erating Characteristic Instantaneous (APR High Immunity) ervoltage Category III sition of Neutral Right minals htening Torque 2.8 N·m lay Time (T) 10 ms cessory Type Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit unting Type Pailsafe Bi-directional Cylinder-lift Terminal tions Provided None unting Position Any cessories Available Size 5.5 mm² Stranded 1 25 mm² stranded 2 25 mm	Mechanical Endurance	20000 cycle
erating Characteristic Instantaneous (APR High Immunity) ervoltage Category III sition of Neutral Right minals htening Torque 2.8 N·m lay Time (T) 10 ms  cessory Type Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit unting Type DIN-Rail rew Terminal Type Failsafe Bi-directional Cylinder-lift Terminal tions Provided None unting Position Any cessories Available Yes mber of Batteries 0 ble Size 25 mm² Innecting Capacity Busbar 10 mm² Flexible 1 25 mm² Stranded 1 25 mm² sted Cross-Section 1 - Solid-Core 1 25 mm² ted Cross-Section 1 - Solid-Core 1 25 mm²	Number of Poles	4
ervoltage Category  sition of Neutral sition of	Number of Modular Spacings per DIN Rail	4
Right minals sition of Neutral minals she may remain the minals she ma	Operating Characteristic	Instantaneous (APR High Immunity)
Intening Torque 2.8 N·m lay Time (T) 10 ms  Dessory Type Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit rew Terminal Type Failsafe Bi-directional Cylinder-lift Terminal tions Provided None unting Position Any cessories Available Yes mber of Batteries 0 ble Size 25 mm² Stranded 1 25 mm² Stranded 1 25 mm² ted Cross-Section 1 - Solid-Core 1 25 mm² ted Cross-Section 1 - Solid-Core 1 25 mm²	Overvoltage Category	III
lay Time (T)  Cessory Type  Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Telease, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, Overvoltage release, Motor operating device, Auto reclosing unit release, None operating device, Auto release, None operating unit	Position of Neutral Terminals	Right
Auxiliary contact, Signal contact/auxiliary contact, Shunt trip, Undervoltage release, Overvoltage release, Motor operating device, Auto reclosing unit unting Type  DIN-Rail rew Terminal Type Failsafe Bi-directional Cylinder-lift Terminal tions Provided  None unting Position Any cessories Available Type Type Total Terminal T	Tightening Torque	2.8 N⋅m
release, Overvoltage release, Motor operating device, Auto reclosing unit runting Type  DIN-Rail rew Terminal Type  rew Terminal Type  Failsafe Bi-directional Cylinder-lift Terminal tions Provided  None unting Position  Any cessories Available  reserved be Size  nnecting Capacity  Reserved Cross-Section  Table Core 1 25 mm² ted Cross-Section	Delay Time (T)	10 ms
rew Terminal Type  Failsafe Bi-directional Cylinder-lift Terminal None Uniting Position  Cessories Available  mber of Batteries  ble Size  nnecting Capacity  Busbar 10 mm² Flexible 1 25 mm² Stranded 1 25 mm²  ted Cross-Section  1 - Solid-Core 1 25 mm²	Accessory Type	
tions Provided         None           unting Position         Any           cessories Available         Yes           mber of Batteries         0           ble Size         25 mm²           nnecting Capacity         Busbar 10 mm²           Flexible 1 25 mm²         Stranded 1 25 mm²           ted Cross-Section         1 - Solid-Core 1 25 mm²	Mounting Type	DIN-Rail
unting Position         Any           cessories Available         Yes           mber of Batteries         0           ble Size         25 mm²           nnecting Capacity         Busbar 10 mm²           Flexible 1 25 mm²         Stranded 1 25 mm²           ted Cross-Section         1 - Solid-Core 1 25 mm²	Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Cessories Available         Yes           mber of Batteries         0           ble Size         25 mm²           nnecting Capacity         Busbar 10 mm²           Flexible 1 25 mm²         Stranded 1 25 mm²           ted Cross-Section         1 - Solid-Core 1 25 mm²	Options Provided	None
mber of Batteries         0           ble Size         25 mm²           nnecting Capacity         Busbar 10 mm²           Flexible 1 25 mm²         Stranded 1 25 mm²           ted Cross-Section         1 - Solid-Core 1 25 mm²	Mounting Position	Any
ble Size 25 mm² nnecting Capacity Busbar 10 mm² Flexible 1 25 mm² Stranded 1 25 mm² ted Cross-Section 1 - Solid-Core 1 25 mm²	Accessories Available	Yes
### Restance of the Cross-Section ### Busbar 10 mm²    Flexible 1 25 mm²	Number of Batteries	0
Flexible 1 25 mm² Stranded 1 25 mm² ted Cross-Section 1 - Solid-Core 1 25 mm²	Cable Size	25 mm²
	Connecting Capacity	Flexible 1 25 mm <sup>2</sup>
re Stripping Length 12 mm	Rated Cross-Section	1 - Solid-Core 1 25 mm²
·· · · · ·	Wire Stripping Length	12 mm
rminal Type Screw Terminals	Terminal Type	Screw Terminals

Environmental	
Ambient Air Temperature	Operation -25 +70 °C
Degree of Protection	Housing IPX4

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	Terminals IP2X
Pollution Degree	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations acc. to IEC 60068-2-6	0.1 mm or 1 g - 20 cycles at 51505 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Information	9AKK106713A5610
REACH Declaration	9AKK108467A9482
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
Dimensions	
Width in Number of Modular Spacings	4
Product Net Width	70 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.38 kg
Built-In Depth (t <sub>2</sub> )	69.5 mm
Ordering	
Minimum Order Quantity	1 piece
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.415 kg
Customs Tariff Number	85363030
E-Number (Finland)	3214071
E-Number (Sweden)	2160159
Country of Origin	Italy (IT)
Certificates and Declarations	
Declaration of Conformity - CE	9AKK106713A5610
Popular Downloads	
	9AKK107991A7569
Data Sheet, Technical Information	
Instructions and Manuals	9AKK107992A0195
Classifications	
ETIM 8	EC000003 - Residual current circuit breaker (RCCB)
ETIM 9	EC000003 - Residual current circuit breaker (RCCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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WEEE B2C / B2B	Business To Consumer
CN8	
eClass	V11.0 : 27142201
Object Classification Code	F

Accessories				
Identifier	Description	Туре	Quantity	Unit Of Measure
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	2	piece
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	2	piece
2CDS200946R0001	S2C-H6-11R Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary Contact	S2C-H6-20R	1	piece
2CSS200933R0011	F2C-A1 Shunt trip	F2C-A1	1	piece
2CSS200933R0012	F2C-A2 Shunt trip	F2C-A2	1	piece
2CSS200911R0005	S2C-UA 230 AC Undervoltage release	S2C-UA 230 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC Undervoltage release \$	S2C-UA 24 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage release \$	S2C-UA 24 AC	1	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage release \$	S2C-UA 48 DC	1	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage release	S2C-UA 110 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC Undervoltage release	S2C-UA 400 AC	1	piece
2CSS200911R0001	S2C-UA 12 DC Undervoltage release S	S2C-UA 12 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC Undervoltage release	S2C-UA 230 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC Undervoltage release	S2C-UA 110 DC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage release \$	S2C-UA 48 AC	1	piece
2CSS200910R0005	S2C-OVP1 Overvoltage release	S2C-OVP1	1	piece
2CSS200993R0005	S2C-OVP2 Overvoltage release	S2C-OVP2	1	piece
2CSF200997R0013	F2C-CM Motor operating device	F2C-CM	1	piece
2CSF200996R0013	F2C-ARI Auto-reclosing unit	F2C-ARI	1	piece

## Categories

 $Low\ Voltage\ Products\ and\ Systems \rightarrow Modular\ DIN\ Rail\ Products \rightarrow Residual\ Current\ Devices\ RCDs \rightarrow Residual\ Resi$ 





