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PRODUCT-DETAILS

SH204L-C32

SH204L-C32 Miniature Circuit Breaker - 4P - C - 32 A



General Information	
Extended Product Type	SH204L-C32
Product ID	2CDS244001R0324
EAN	4016779633918
Catalog Description	SH204L-C32 Miniature Circuit Breaker - 4P - C - 32 A
Long Description	Compact Home SH200L miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 4,5 kA at 230/400 V AC) and rated currents (up to 40 A). All MCBs of the product range SH200L comply with IEC/EN 60898-1, allowing the use for residential applications.

Technical	
Standards	IEC/EN 60898-1
Tripping Characteristic	С
Rated Operational Voltage	acc. to IEC 60898-1 400 V
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC

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Dielectric Test Voltage Dielectric Test Voltage Dielectric Test Voltage Rated Current (In) Rated Short-Circuit Capacity (AC) Capacity (A00 V AC) Capacity (A00 V AC) Capacity (A00 V AC) Core Rated Conditional Short- Circuit Current (Inc) Rated Frequency (f) Power Loss at Rated Operating Conditions per Pole Power Supply Connection Contact Position Indication Energy Limiting Class Electrical Endurance Number of Protected Poles Number of Protected Poles Number of Protected Poles Voervoltage Category Tightening Torque Actuator Type Screw Terminal Type Cage Ter Actuator Marking Actu	Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V
Dielectric Test Voltage 50/60 Hz, 1 mir Input Voltage Type Rated Current (In) (AC) (A	Rated Impulse	4 kV
Dielectric Test Voltage	- · ·	at 2000 m 5 kV
Input Voltage Type Rated Current (In) Rated Short-Circuit (AC) (AC) (AC) (AC) (AC) (AC) (AC) (AC)		at Sea Level 6.2 kV
Rated Short-Circuit (AC)-Capacity (A		50/60 Hz, 1 min: 2 kV
Rated Short-Circuit (AC) Capacity (A		AC
Capacity (400 V AC) Rated Conditional Short-Circuit Current (Inc) (400 V AC) Rated Frequency (f) 50 / Power Loss at Rated Operating Conditions per Pole Pole Power Supply Power Supply Art Connection ON Indication Pole Pole Pole Pole Protected Poles Electrical Endurance 10000 AC Mechanical Endurance 20000 AC Number of Protected Poles Total Poles Poles Overvoltage Category Tightening Torque Actuator Type T Actuator Marking Total Insulation Group II, Black, Se Housing Material Insulation Group II, Black, Se Housing Material Insulation Group II, RAI Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) ac		32 A
Circuit Current (Inc) Rated Frequency (f) Power Loss at Rated Operating Conditions per Pole Power Supply Connection Contact Position Indication Energy Limiting Class Electrical Endurance Mechanical Endurance Number of Protected Poles Number of Protected Poles Number of Poles Coveroltage Category Tightening Torque Actuator Type Screw Terminal Type Actuator Marking Actuator Marking Actuator Marking Actuator Marking Actuator Material Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Position Recommended Screw Poz Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible of 75 16 Flexib		(AC) 4.5 kA (400 V AC) 4.5 kA
Power Loss at Rated Operating Conditions per Pole Power Supply Connection Contact Position Contact Position Indication Energy Limiting Class Electrical Endurance Mechanical Endurance Mechanical Endurance Number of Protected Poles Number of Protected Poles Overvoltage Category Tightening Torque Actuator Type Tocrew Terminal Type Tocrew Termin		(400 V) 5 kA
Recommended Screw House In Habs 15 (35 x 15 mm Mounting Rail) acc. to IEC Mounting Opporture In Habs 15 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Connecting Capacity Recommended Screw House In Habs 15 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Capacity Flexible with Ferrule 0.75 16 Rigid 0.75 1	Rated Frequency (f)	50 / 60 Hz
Connection Contact Position ON Indication Energy Limiting Class Electrical Endurance 10000 AC Mechanical Endurance 2000C Number of Protected Poles Number of Protected Poles Number of Poles Overvoltage Category Tightening Torque Actuator Type Tactuator Marking Cage Teres Actuator Marking Insulation Group II, Black, Se Housing Material Insulation Group II, RAI Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC Th35-7.5 (35 x 7.5 mm Mounting Rail) acc. t	Power Loss	14.8 W at Rated Operating Conditions per Pole 3.7 W
Indication Energy Limiting Class Electrical Endurance 10000 AC Mechanical Endurance 2000C Number of Protected Poles Number of Poles Overvoltage Category Tightening Torque Actuator Type Training Torque Actuator Marking Actuator Marking Actuator Material Insulation Group II, Black, Se Housing Material Insulation Group II, RAI Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm M		Arbitrary
Electrical Endurance 10000 AC Mechanical Endurance 20000 Number of Protected Poles Number of Poles Overvoltage Category Tightening Torque Actuator Type TSCrew Terminal Type Cage Terminal Type Cage Terminal Type Cage Terminal Type Actuator Marking Actuator Marking Actuator Material Insulation Group II, Black, Se Housing Material Insulation Group II, RAI TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mount		ON / OFF
Mechanical Endurance Number of Protected Poles Number of Poles Overvoltage Category Tightening Torque Actuator Type Toscrew Terminal Type Actuator Marking Actuator Material Housing Material Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35	Energy Limiting Class	3
Number of Protected Poles Number of Poles Overvoltage Category Tightening Torque Actuator Type TScrew Terminal Type Actuator Marking Actuator Material Actuator Material Insulation Group II, Black, Se Housing Material Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 8.15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rai	Electrical Endurance	10000 AC cycle
Poles Number of Poles Overvoltage Category Tightening Torque Actuator Type Torew Terminal Type Actuator Marking Actuator Marking Actuator Material Actuator Material Actuator Material Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting	Mechanical Endurance	20000 cycle
Overvoltage Category Tightening Torque Actuator Type Screw Terminal Type Cage Ter Actuator Marking Actuator Material Insulation Group II, Black, Se Housing Material Insulation Group II, RAI Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Position Recommended Screw Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible 0.75 16 Rigid 0.75 25		4
Tightening Torque Actuator Type Screw Terminal Type Actuator Marking Actuator Material Actuator Material Housing Material Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Position Recommended Screw Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Rigid 0.75 16 Rigid 0.75 25	Number of Poles	4
Actuator Type Screw Terminal Type Actuator Marking Actuator Material Actuator Material Housing Material Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Position Recommended Screw Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible 0.75 16 Rigid 0.75 25	Overvoltage Category	III
Screw Terminal Type Actuator Marking Actuator Material Actuator Material Housing Material Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 m	Tightening Torque	2 N·m
Actuator Marking Actuator Material Insulation Group II, Black, Se Housing Material Insulation Group II, RAI Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Position Recommended Screw Poz Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Rigid 0.75 26 Rigid 0.75 26	Actuator Type	Toggle
Actuator Material Insulation Group II, Black, Se Housing Material Insulation Group II, Black, Se Housing Material Insulation Group II, RAI Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Position Recommended Screw Poz Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Rigid 0.75 26 Rigid 0.75 26	Screw Terminal Type	Cage Terminal
Housing Material Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Position Recommended Screw Poz Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible 0.75 16 Rigid 0.75 25 Rigid 0.75 R	Actuator Marking	1/0
Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Position Recommended Screw Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible 0.75 16 Rigid 0.75 25	Actuator Material	Insulation Group II, Black, Sealable
TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC Mounting Position Recommended Screw Poz Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible 0.75 16 Rigid 0.75 25	Housing Material	Insulation Group II, RAL 7035
Mounting Position Recommended Screw Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible 0.75 16 Rigid 0.75 25	Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Recommended Screw Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible 0.75 16 Rigid 0.75 25	Mounting Position	any
Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible 0.75 16 Rigid 0.75 25	Recommended Screw	Pozidriv 2
Flexible with Ferrule 0.75 16 Flexible 0.75 16 Rigid 0.75 25	Accessories Available	No
5tranded 0.75 25	Connecting Capacity	Conductor 25 / 25 mm² Flexible with Ferrule 0.75 16 mm² Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm²
Installation Size acc. to DIN 43	Installation Size	acc. to DIN 43880 1
		Screw Terminals

Material Compliance		
RoHS Information	2CDK400030D0201	
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019	
RoHS Date	0335	
REACH Declaration	9AKK108468A9644	
REACH Information	True - contains substances > 0.1 mass percentage	
REACH Date	20231212	
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363	

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Environmental	
Ambient Air	Operation -25 +55 °C
Temperature	Storage -40 +70 °0
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20 Enclosure with Cover IP40
Pollution Degree	-
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations	20 Cycles with Load 0.8 In: 5g 5 150 5 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms
Environmental Information	2CDK400030D0201
Dimensions	
Width in Number of Modular Spacings	
Product Net Width	70 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.5 kg
Pole Net Weight	0.115 kg
Built-In Depth (t ₂)	69 mm
Ordering	
Package Level 1 Units	carton 1 piece
Package Level 1 Gross Weight	0.51 kg
Certificates and Declarations	
Certification Agency	EN IEC
Declaration of Conformity - CE	2CDK400607D2703
Installation	
	200024050000
Instructions and Manuals	2CDS207105P0001
Popular Downloads	
Popular Downloads	

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Classifications		
ETIM 8	EC000042 - Miniature circuit breaker (MCB)	
ETIM 9	EC000042 - Miniature circuit breaker (MCB)	
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)	
WEEE B2C / B2B	Business To Business	
CN8	8536 20 10	
UNSPSC	39121603	
eClass	V11.0 : 27141901	
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers	
Object Classification Code	F	

Categories

 $Low\ Voltage\ Products\ and\ Systems\ \rightarrow\ Modular\ DIN\ Rail\ Products\ \rightarrow\ Miniature\ Circuit\ Breakers\ MCBs\ \rightarrow\ Miniature\ Circuit\ Breakers\ MCBs$





