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PRODUCT-DETAILS

SH204L-C25

SH204L-C25 Miniature Circuit Breaker - 4P - C - 25 A



General Information	
Extended Product Type	SH204L-C25
Product ID	2CDS244001R0254
EAN	4016779633895
Catalog Description	SH204L-C25 Miniature Circuit Breaker - 4P - C - 25 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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Withstand Voltage (Uimp) at 2000 m Dielectric Test Voltage 50/60 Hz, 1 min: Input Voltage Type Rated Current (In) Rated Current (In) (AC) 4 Rated Short-Circuit (400 VAC) 4 Capacity (400 VAC) 4 Rated Frequency (f) 50 / 6 Power Loss 12 at Rated Operating Conditions per Poles at Rated Operating Conditions per Poles Power Supply Arbit Contact Position 0 N/ Indication 0 N/ Electrical Endurance 20000 AC Mechanical Endurance 20000 AC Mechanical Endurance 20000 AC Number of Potected Poles 20000 AC Overvoltage Category 15 Tightening Torque 2 Actuator Marking 1 Actuator Marking 1 Housing Material Insulation Group II, Black, Seal Housing Material Insulation Group II, RAL Mounting position 7 Recommended Screw Pozic Driver 1 <th>Rated Insulation Voltage (U_i)</th> <th>acc. to IEC/EN 60664-1 440 V</th>	Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V
Act Sea Level 6 Dielectric Test Voltage 50/60 Hz, 1 min: Input Voltage Type Rated Current (In) (AC) 4	Rated Impulse	4 kV
Dielectric Test Voltage 50/60 Hz, 1 min: Input Voltage Type Rated Current (In) Rated Current (In) (AC) 4 Rated Short-Circuit (AOV XC) 4 Capacity (400 VAC) 4 Rated Conditional Short-Circuit Current (Inc) (AOV) Rated Frequency (f) 50 / 6 Power Loss at Rated Operating Conditions per Pole 2 Power Supply at Rated Operating Conditions per Pole 3 Power Supply Arbit Connection Contact Position ON / Indication Electrical Endurance 20000 AC of Conditions per Pole 3 Mechanical Endurance 20000 AC of Conditions per Pole 3 Number of Poles 0 Overvoltage Category Tightening Torque Very Tightening Torque 2 Actuator Type To Screw Terminal Type Cage Term Actuator Marking Housing Material Insulation Group II, RAL Seal Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 6 Mounting Position Recommended Screw Pozic Flexible with Ferrule 0.75 16 Fle	- · · ·	at 2000 m 5 kV
Input Voltage Type Rated Current (In) Rated Short-Circuit (AC) 4. Capacity (400 V AC) 4. Rated Conditional Short-Circuit Current (Inc) (400 V) Rated Frequency (f) 50 / 6 Power Loss 1 2 Power Supply Arbit Connection 0 N Contact Position ON / Indication 0 N Energy Limiting Class Electrical Endurance Electrical Endurance 20000 AC Number of Protected 20000 AC Poser Overvoltage Category 1 Tightening Torque 2 Actuator Type To Actuator Marking Actuator Marking Actuator Marking Insulation Group II, RAL. Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm		
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Rated Short-Circuit (AC) 4AC (AC) 4AC </td <td></td> <td>AC</td>		AC
Capacity (400 VAC) 4.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0		25 A
Circuit Current (Inc) Rated Frequency (f) Power Loss Soft Rated Operating Conditions per Pole 2 Power Supply Connection Contact Position Contact Position Contact Position Contact Position Recarried Recommended Screw Driver Recommended Screw Drive		(AC) 4.5 kA (400 V AC) 4.5 kA
Power Loss at Rated Operating Conditions per Pole 3 Power Supply Arbit Connection Arbit Connection ON / Indication On Indication ON / Indication On Indicati		(400 V) 5 kA
Power Supply Arbit Connection Connection Connection Contact Position ON / Indication On On On ON / Indication On	Rated Frequency (f)	50 / 60 Hz
Connection Contact Position Indication Energy Limiting Class Electrical Endurance Mechanical Endurance Mechanical Endurance Number of Protected Poles Overvoltage Category Tightening Torque Actuator Type To Screw Terminal Type Actuator Marking Actuator Marking Actuator Material Insulation Group II, Black, Seal Housing Material Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 6 Mounting Position Recommended Screw Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Rigid 0.75 25 Stranded 0.75 25 Stranded 0.75 25	Power Loss	12.8 W at Rated Operating Conditions per Pole 3.2 W
Indication Energy Limiting Class Electrical Endurance 20000 AC A Mechanical Endurance 20000 AC A Mechanical Endurance 20000 AC A Mechanical Endurance 20000 AC A Mumber of Protected Poles Number of Poles Overvoltage Category Tightening Torque 2 Actuator Type To Screw Terminal Type Cage Term Actuator Marking Actuator Marking Actuator Material Insulation Group II, Black, Seal Housing Material Insulation Group II, RAL Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 Mounting Position Recommended Screw Pozic Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible vith Ferrule 0.75 16 Rigid 0.75 25 Stranded 0.75 25 Stranded 0.75 25 Stranded 0.75 25		Arbitrary
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Mechanical Endurance 20000 of Number of Protected Poles Number of Protected Poles Number of Poles Overvoltage Category Tightening Torque 2 Actuator Type To Screw Terminal Type Cage Term Actuator Marking Actuator Marking Actuator Material Insulation Group II, Black, Seal Housing Material Insulation Group II, RAL In	Energy Limiting Class	3
Number of Protected Poles Number of Poles Overvoltage Category Tightening Torque 2 Actuator Type To Screw Terminal Type Cage Term Actuator Marking Actuator Material Insulation Group II, Black, Seal Housing Material Insulation Group II, Black, Seal Housing Material Insulation Group II, RAL Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 6 Mounting Position Recommended Screw Pozic Driver Accessories Available Connecting Capacity Conductor 25 / 25 (5 tranded 0.75 16 (1 kigid 0.75 25 (1 kigid 0.7	Electrical Endurance	20000 AC cycle
Poles Number of Poles Overvoltage Category Tightening Torque 2 Actuator Type To Screw Terminal Type Cage Term Actuator Marking Actuator Material Insulation Group II, Black, Seal Housing Material Insulation Group II, Black, Seal Housing Material Insulation Group II, RAL Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm M	Mechanical Endurance	20000 cycle
Tightening Torque Actuator Type To Screw Terminal Type Actuator Marking Actuator Material Housing Material Mounting on DIN Rail Mounting Position Recommended Screw Driver Accessories Available Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible 0.75 25 Stranded 0.75 25 Stran		4
Tightening Torque Actuator Type To Screw Terminal Type Actuator Marking Actuator Material Housing Material Mounting on DIN Rail Mounting Position Recommended Screw Driver Accessories Available Connecting Capacity Conductor 25 / 25 of Flexible with Ferrule 0.75 16 of Flexible 0.75 16 of Rigid 0.75 25 of Stranded 0.75	Number of Poles	4
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Screw Terminal Type Actuator Marking Actuator Material Actuator Material Housing Material Mounting on DIN Rail Mounting Position Recommended Screw Driver Accessories Available Connecting Capacity Conductor 25 / 25 of Flexible with Ferrule 0.75 16 of Rigid 0.75 25 of Stranded	Tightening Torque	2 N·m
Actuator Marking Actuator Material Insulation Group II, Black, Seal Housing Material Insulation Group II, RAL Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mountin	Actuator Type	Toggle
Actuator Material Insulation Group II, Black, Seal Housing Material Insulation Group II, RAL Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 Mounting Position Recommended Screw Pozicion Pozicion Recommended Screw Pozicion Pozicion Accessories Available Connecting Capacity Conductor 25 / 25 of Flexible with Ferrule 0.75 16 of Flexible 0.75 16 of Rigid 0.75 25 of Stranded	Screw Terminal Type	Cage Terminal
Housing Material Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 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 Stranded 0.75 25	Actuator Marking	1/0
Mounting on DIN Rail TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 6 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 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 Stranded 0.75 25	Actuator Material	Insulation Group II, Black, Sealable
TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 6 Mounting Position Recommended Screw Pozic Driver Accessories Available Connecting Capacity Conductor 25 / 25 (Flexible with Ferrule 0.75 16 (Rigid 0.75 25 (Stranded 0.75 25 (Stranded 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 Stranded 0.75	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 or Flexible with Ferrule 0.75 16 or Flexible 0.75 16 or Flexible 0.75 25 or Stranded 0.75 25 or	Mounting Position	any
Connecting Capacity Conductor 25 / 25 Flexible with Ferrule 0.75 16 Flexible 0.75 16 Rigid 0.75 25 Stranded 0.75 25	Recommended Screw	Pozidriv 2
Flexible with Ferrule 0.75 16 I Flexible 0.75 16 I Rigid 0.75 25 I Stranded 0.75 25 I	Accessories Available	No
	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 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

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





