

Products → Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs

General Information

Extended Product Type:	S223-K10
Product ID:	GHS2230001R0427
EAN:	4012233321001
Catalog Description:	Miniature Circuit Breaker - S220 - 3P - K - 10 ampere
Long Description:	S223-K10 Miniature Circuit Breaker K-Char.,10kA,10A,3P

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Popular Downloads

Data Sheet, Technical Information:	2CDC414003D0201
Instructions and Manuals:	2CDC414003D0201

Dimensions

Product Net Width:	92 mm
Product Net Depth / Length:	183 mm
Product Net Height:	93 mm
Product Net Weight:	0.54 kg

Technical

Standards:	IEC/EN 60947-2 UL 1077
Number of Poles:	3
Tripping Characteristic:	K
Rated Current (I_n):	10 A
Rated Operational Voltage:	acc. to IEC 60947-2 690 V AC
Power Loss:	3 W at Rated Operating Conditions per Pole 1 W
Rated Insulation Voltage (U_i):	acc. to IEC/EN 60664-1 440 V
Operational Voltage:	Maximum (Incl. Tolerance) 690 V AC Maximum (Incl. Tolerance) 110 V DC Minimum 12 V AC / 12 V DC
Rated Frequency (f):	50 Hz 60 Hz

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(690 V AC) 3 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(690 V AC) 3 kA
Overvoltage Category:	III
Pollution Degree:	3
Rated Impulse Withstand Voltage (U_{imp}):	4 kV
Housing Material:	Insulation Group I, RAL 7035
Actuator Type:	Insulation group II, black, sealable
Contact Position Indication:	Red ON / Green OFF
Degree of Protection:	IP20
Electrical Endurance:	20000 AC cycle
Mechanical Endurance (N_{endu}):	20000 cycle
Terminal Type:	Screw Terminals
Screw Terminal Type:	Cage Terminal
Connecting Capacity:	Flexible with Ferrule 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 25 mm ² Stranded 0.75 ... 25 mm ²
Tightening Torque:	2 N·m
Recommended Screw Driver:	Pozidriv 2
Mounting on DIN Rail:	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Mounting Position:	Any

Environmental

Ambient Air Temperature:	Operation -25 ... +45 °C Storage -40 ... +70 °C
Ambient Air Temperature Compensation:	Yes
Resistance to Shock acc. to IEC 60068-2-27:	10g / 20 shocks / 13 ms
Resistance to Vibrations acc. to IEC 60068-2-6:	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Environmental Conditions:	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	600 V AC
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Connecting Capacity UL/CSA:	Busbar 6-36 AWG Conductor 4 AWG
Interrupting Rating acc. to UL1077:	(690 V AC) 3 kA

Certificates and Declarations (Document Number)

Declaration of Conformity - CE:	2CDK403015D2704
Environmental Information:	1SAA93101
Instructions and Manuals:	2CDC414003D0201
RoHS Information:	2CDK400010K0201

Container Information

Package Level 1 Units:	3 piece
Package Level 1 Width:	92 mm
Package Level 1 Depth / Length:	183 mm
Package Level 1 Height:	93 mm
Package Level 1 Gross Weight:	1.67 kg
Package Level 1 EAN:	4012233321001

Classifications

Object Classification Code:	F
E-number:	2102284
ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
ETIM 6:	EC000042 - Miniature circuit breaker (MCB)
ETIM 7:	EC000042 - Miniature circuit breaker (MCB)
eClass:	7.0 27141901
UNSPSC:	39121614

Accessories

Identifier	Description	Type	Qty	Unit Of Measure
GHS2201904R0003	S220-H11 - Auxiliary Contact	S220-H11	1	piece

