



 PRODUCT-DETAILS

A45-22-00 230-240V 50Hz / 240-260V 60Hz

A45-22-00 230-240V 50Hz / 240-260V 60Hz

Contactor



General Information

Extended Product Type	A45-22-00 230-240V 50Hz / 240-260V 60Hz
Product ID	1SBL331501R8800
EAN	3471522080882
Catalog Description	A45-22-00 230-240V 50Hz / 240-260V 60Hz Contactor
Long Description	A45 4-pole contactors are mainly used for controlling non-inductive or slightly inductive loads (i.e. resistance furnaces...) and generally for controlling power circuits up to 690 V AC and 440 V DC. The contactors can also be used for many other applications such lighting... The A... series 4-pole contactors are of the block type design. - Main poles and auxiliary contact blocks: 2 N.O. + 2 N.C. main poles, front and side-mounted add-on auxiliary contact blocks - Control circuit: AC operated with laminated magnet circuit - Accessories: a wide range of accessories is available.

Classifications

Object Classification Code	Q
ETIM 4	EC000066 - Magnet contactor, AC-switching
ETIM 5	EC000066 - Magnet contactor, AC-switching
ETIM 6	EC000066 - Power contactor, AC switching
ETIM 7	EC000066 - Power contactor, AC switching
UNSPSC	39121529

Container Information

Package Level 1 Units	1 piece
-----------------------	---------

A45-22-00 230-240V 50Hz / 240-260V 60Hz

2

Package Level 1 Width	142 mm
Package Level 1 Depth / Length	190 mm
Package Level 1 Height	136 mm
Package Level 1 Gross Weight	1.4 kg
Package Level 1 EAN	3471522080882
Package Level 2 Units	box 8 piece
Package Level 2 Gross Weight	11.2 kg

Certificates and Declarations (Document Number)

BV Certificate	BV_2634H07559E0
CB Certificate	CB_CN45324
CCC Certificate	CCC_2018010304129267
CSA Certificate	CSA_1033838_LR056745
Declaration of Conformity - CE	1SBD250802U1000
EAC Certificate	EAC_RU C-FR ME77 B01010
Environmental Information	1SBD250007E1003
GOST Certificate	GOST_POCCFRME77B07175
Instructions and Manuals	FPTC407701P0003
LR Certificate	LRS_9830011E4
RoHS Information	1SBD250802U1000
UL Certificate	UL_20120830-E312527-10-1
UL Listing Card	UL_E312527

Environmental

Ambient Air Temperature	Close to Contactor for Storage -60 ... +80 °C Near Contactor for Operation in Free Air (Uc) -40 ... +70 °C Near Contactor for Operation in Free Air (0.85 ... 1.1 Uc) -40 ... +55 °C
Climatic Withstand	acc. to IEC 60068-2-30 and 60068-2-11 - UTE C 63-100 specification II
Maximum Operating Altitude Permissible	3000 m
Resistance to Shock acc. to IEC 60068-2-27	Shock Direction: A 20 K40 Shock Direction: B2 15 K40 Shock Direction: C1 20 K40 Shock Direction: C2 20 K40 Closed, Shock Direction: B1 10 K40 Open, Shock Direction: B1 5 K40
RoHS Status	Following EU Directive 2011/65/EU

Technical

Number of Main Contacts NO	2
Number of Main Contacts NC	2
Number of Auxiliary Contacts NO	0
Number of Auxiliary Contacts NC	0
Standards	Devices complying with international standards IEC 947-1 / 947-4-1, and European standards EN 60 947-1 / 60 947-4-1. Electromagnetic compatibility (EMC) acc. to amendment A11 to IEC 947-1, EN 60 947-1 and amendment 2 to IEC 947-4-1
Rated Operational	Main Circuit 1000 V

Voltage

Conventional Free-air Thermal Current (I_{th})	acc. to IEC 60947-4-1, Open Contactors $q = 40\text{ }^{\circ}\text{C}$ 100 A
Rated Operational Current AC-1 (I_e)	(690 V) $40\text{ }^{\circ}\text{C}$ 70 A (690 V) $55\text{ }^{\circ}\text{C}$ 60 A (690 V) $70\text{ }^{\circ}\text{C}$ 50 A
Rated Breaking Capacity AC-3 acc. to IEC 60947-4-1	8 x I_e AC-3
Rated Making Capacity AC-3 acc. to IEC 60947-4-1	10 x I_e AC-3
Short-Circuit Protective Devices	gG Type Fuses 80 A
Maximum Breaking Capacity	$\cos\phi=0.45$ ($\cos\phi=0.35$ for $I_e > 100\text{ A}$) at 440 V 900 A $\cos\phi=0.45$ ($\cos\phi=0.35$ for $I_e > 100\text{ A}$) at 690 V 490 A
Maximum Electrical Switching Frequency	AC-1 600 cycles per hour AC-2 / AC-4 150 cycles per hour AC-3 600 cycles per hour
Rated Insulation Voltage (U_i)	acc. to UL/CSA 600 V acc. to IEC 60947-4-1 and VDE 0110 (Gr. C) 1000 V
Rated Impulse Withstand Voltage (U_{imp})	8 kV
Mechanical Durability	10 million
Maximum Mechanical Switching Frequency	3600 cycles per hour
Rated Control Circuit Voltage (U_c)	50 Hz 230 ... 240 V 60 Hz 240 ... 260 V
Coil Consumption	Holding at Max. Rated Control Circuit Voltage 50 Hz 18 5.5 V·A Holding at Max. Rated Control Circuit Voltage 60 Hz 18 5.5 V·A Pull-in at Max. Rated Control Circuit Voltage 50 Hz 180 V·A Pull-in at Max. Rated Control Circuit Voltage 60 Hz 210 V·A Average Holding Value 50 / 60 Hz 18 5.5 V·A Average Pull-in Value 50 Hz 190 V·A Average Pull-in Value 60 Hz 180 V·A
Operate Time	Between Coil De-energization and NC Contact Closing 7 ... 14 ms Between Coil De-energization and NO Contact Opening 4 ... 11 ms Between Coil Energization and NC Contact Opening 7 ... 22 ms Between Coil Energization and NO Contact Closing 8 ... 27 ms
Connecting Capacity Main Circuit	Flexible with Cable End 6 ... 16 m ² Rigid Cable 6 ... 25 m ²
Connecting Capacity Auxiliary Circuit	Flexible with Cable End 0.75 ... 2.5 mm ² Rigid Cable 1 ... 4 m ²
Degree of Protection	acc. to IEC 60529, IEC 60947-1, EN 60529 Coil Terminals IP20
Connecting Terminals (delivered in open position) Main Poles	M 6 (+,-) pozidriv 2 screws with 1x (13 x 10 mm) connector
Terminal Type	Screw Terminals

Dimensions

Product Net Width	92 mm
Product Net Depth / Length	119.5 mm
Product Net Height	110 mm
Product Net Weight	1.4 kg

Popular Downloads

Data Sheet, Technical Information	1SBC100122C0202_Ch02
Instructions and Manuals	FPTC407701P0003

A45-22-00 230-240V 50Hz / 240-260V 60Hz

4

Ordering

Minimum Order Quantity

1 piece

Customs Tariff Number

85364900

Categories

Low Voltage Products and Systems → Control Products → Contactors → Block Contactors





SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk