



MATERIAL FACT SHEET

113656 S-N180 AC100V

General Data

Product Hierarchy	IAN50105
	MC
	S-N Body
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	C (Non-Stock Material / Make-to-Order)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000113656

FA-MC: Magnetic Contactor

Series	MS-N SERIES MAGNETIC CONTACTOR
Type	NON-REVERSING, AC OPERATED
Frame Size	180
Current Type	AC TYPE
Coil Voltage (V)	100-127
Rated Current (A)	3-PHASE AC690V: 120
Rated Capacity (kW)	3-PHASE AC220-240V: 55
Rated Capacity (kW) (2)	3-PHASE AC380-440V: 90
Rated Capacity (kW) (3)	3-PHASE AC690V: 110
Rated Voltage (V)	690
Number of Poles	3
No of Auxiliary Contacts NO	2
No of Auxiliary Contacts NC	2
Frequency Range (Hz)	50/60
Min. Ambient Temperature (°C)	-10
Max. Ambient Temperature (°C)	40
Wiring	SCREW-CLAMP
Design / Styling	STANDARD
Compliant with Standard(s)	EN60947-4-1
Compliant with Standard(s) (2)	IEC60947-4-1
Compliant with Standard(s) (3)	JIS C8201-4-1
Electrical Durability (Load)	1 000 000 OPERATIONS
Mech. Durability (at no Load)	5 000 000 OPERATIONS
Protection Class	IP00

Product Dimensions & Weight

Width (mm)	138
Height (mm)	204
Depth (mm)	174
Weight (kg)	5,5

Logistic Dimensions & Gross Weight

Length (cm)	30,0
Width (cm)	23,0
Height (cm)	21,0
Gross Weight (kg)	5,880
Volume (cdm)	14,490

Stock Data

Planned Delivery Time (Days)	300
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Life Cycle

Sales Start	17.06.1999
Predecessor	42134 / S-K180 AC100V

Additional Product Information

Battery included	NO
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Export Data

Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)
Preference Status (Supplier Declaration)	Non EU

Environmental

REACH Limit Exceeded	YES
REACH Substance CAS Number	101-77-9
REACH Substance CAS Number (2)	13560-89-9
REACH Substance CAS Number (3)	140-66-9
REACH Substance CAS Number (4)	25214-70-4
REACH Substance CAS Number (5)	552-30-7
REACH Substance CAS Number (6)	80-05-7
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=S-N180%20AC100V&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=S-N180%20AC100V&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=S-N180%20AC100V&doc-lang=en

Product Packaging

Cardboard (g)	500
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	0
Wood (g)	0
Glass (g)	0
Others (g)	0

Compatible products

Material	Description / Price List Text / Classification
113702	UN-AX150 Auxiliary contact. 1NO + 1NC; side clip-on; for S(D)-N150 up to 400 Class 100101003: FA-MC: Electrical Option
113707	UN-CZ2200 Terminal cover. For S(D)-N180, 220 -Line or load-side Class 100101002: FA-MC: Mechanical Option
124293	UN-ML220 Mechanical interlock. For S(D)-N180 up to 400 Class 100101002: FA-MC: Mechanical Option
124432	TH-N220KPRH 82A Overload Relay. Ith = 65,0 ~ 100,0A; for S(D)-N180, 220 Class 100101005: FA-MC: Overload Protection Relays
124433	TH-N220RHKP 105A Overload Relay. Ith = 85,0 ~ 125,0A; for S(D)-N180, 220 Class 100101005: FA-MC: Overload Protection Relays
124434	TH-N220RHKP 125A Overload Relay. Ith = 100,0 ~ 150,0A; for S(D)-N180, 220 Class 100101005: FA-MC: Overload Protection Relays
124435	TH-N220RHKP 150A Overload Relay. Ith = 120,0 ~ 180,0A; for S(D)-N180, 220 Class 100101005: FA-MC: Overload Protection Relays
124436	TH-N220RHKP 180A Overload Relay. Ith = 140,0 ~ 220,0A; for S(D)-N220 Class 100101005: FA-MC: Overload Protection Relays

Material	Description / Price List Text / Classification
124437	TH-N220RHKP 210A Overload Relay. Ith = 170,0 ~ 250,0A; for S(D)-N220 Class 100101005: FA-MC: Overload Protection Relays
249115	UN-SY11 DC interface unit for operating coils Class 100101003: FA-MC: Electrical Option
249116	UN-SY12 DC interface unit for operating coils; for S-T10-T100/SR-T5,T9/S-N125-N400 Class 100101003: FA-MC: Electrical Option
316474	UN-FD4 DC24V 1A UN-FD4 DC24V 1A Class 100101003: FA-MC: Electrical Option
624863	UN-SA33 Main Circuit Surge Absorber Unit; AC240; 50/60Hz; for Magnetic Contactors Class 100101003: FA-MC: Electrical Option
678094	TH-N220HZKP 210A Overload Relay. Ith = 170,0 ~ 250,0A; for S(D)-N220 Class 100101005: FA-MC: Overload Protection Relays