



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://emea.mitsubishielectric.com/fa/shop/material-page/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)	161
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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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Product Code	MS
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Export Data

Commodity Code	85365019
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)	71868-10-5
REACH Substance CAS Number (7)	7439-92-1
REACH Substance CAS Number (8)	80-05-7
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	NON-COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2f94&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

Material	Description / Price List Text / Classification
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
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