



MATERIAL FACT SHEET

255047 NF160-HGV 4P 125-160A

General Data

Product Hierarchy	IAN10201
	MCCB
	WS-V 1 - NF 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/000000000000255047

FA-MCCB: Moulded-Case Circuit Breaker

Series	WS-V SERIES - MCCB
Type	NF-H TYPE (HIGH-PERFORMANCE)
Frame Size	160
Rated Current (A)	125-160
Current Type	AC/DC
Number of Poles	4
Rated Voltage (V)	690
Breaking Capacity at 400V (kA)	75/75
Compliant with Standard(s)	EN 60947-2
Compliant with Standard(s) (2)	IEC 60947-2
Cycles with Rated Current	15000
Cycles without Rated Current	40000
Automatic Tripping Device	THERMAL-MAGNETIC

Product Dimensions & Weight

Width (mm)	140
Height (mm)	165
Depth (mm)	92
Weight (kg)	2

Logistic Dimensions & Gross Weight

Length (cm)	17,5
Width (cm)	17,5
Height (cm)	11,0
Gross Weight (kg)	2,300
Volume (cdm)	3,369

Stock Data

Planned Delivery Time (Days)	104
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Life Cycle

Sales Start	06.11.2012
Predecessor	204597 / NF160-HGW 4P RT 125-160A W

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	NO
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO

RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

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

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=NF160-HGV%204P%20125-160A&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=NF160-HGV%204P%20125-160A&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=NF160-HGV%204P%20125-160A&doc-lang=en

Product Packaging

Cardboard (g)	88
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
225426	V-AD3S Variable-depth handle Adjustment Unit.V-05, V-1,V-2; ab. 300mm Class 100100902: FA-MCCB: Mechanical Option
235194	V-AD5S Variable-depth handle Adjustment Unit.V-05, V-1,V-2; ab. 500mm Class 100100902: FA-MCCB: Mechanical Option
250427	F-2SVUL LF DR Class 100100902: FA-MCCB: Mechanical Option
267210	AL-05SV Alarm switch. 1CO; Flying lead; Left or Right hand fitting Class 100100903: FA-MCCB: Electrical Option
267212	AL-05SVLS Alarm switch. 1CO; Terminal block; Left hand fitting Class 100100903: FA-MCCB: Electrical Option
267213	AL-05SVLSB Alarm switch. 1CO; Terminal block; Left hand fitting Class 100100903: FA-MCCB: Electrical Option
267214	AL-05SVRFS Alarm switch. 1CO; Terminal block; 4P; Right hand fitting Class 100100903: FA-MCCB: Electrical Option
267228	ALAX-05SV Alarm+Auxiliary switch. 1CO, Flying lead, Left or Right hand fitting Class 100100903: FA-MCCB: Electrical Option
267230	ALAX-05SVLS Alarm+Auxiliary switch. 1CO, Terminal block, Left hand fitting Class 100100903: FA-MCCB: Electrical Option
267232	ALAX-05SVRFS Alarm+Auxiliary switch. 1CO, Terminal block, 4P, Right hand fitting Class 100100903: FA-MCCB: Electrical Option
267236	AX-05SV Auxiliary switch. 1CO, Flying lead, Left or Right hand fitting; For 30 to 250A Class 100100903: FA-MCCB: Electrical Option
267238	AX-05SVLS Auxiliary switch. 1CO, Terminal block, Left hand fitting; For 30 to 250A Class 100100903: FA-MCCB: Electrical Option
267240	AX-05SVRFS Auxiliary switch. 1CO, Terminal block, 4P, Right hand fitting; For 30 to 250A Class 100100903: FA-MCCB: Electrical Option

Material	Description / Price List Text / Classification
267246	AX2-05SVLS Auxiliary switch. 2CO; Terminal block, Left hand fitting; For 30 to 250A Class 100100903: FA-MCCB: Electrical Option
267249	BAF-2SV Front-side insulating barrier, for frame size 125-250A Class 100100902: FA-MCCB: Mechanical Option
267260	BTC-2SV4 Rear terminal cover. NF125,160,250-xxx 4P (W105) Class 100100902: FA-MCCB: Mechanical Option
267359	F-2SV LF DF Op. Type F. OFF Pos. lock,OFF Pos. open,ON up,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267360	F-2SV LF DF Y Op. Type F. OFF Pos. lock,OFF Pos. open,ON L,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267361	F-2SV LF DF Z Op. Type F. OFF Pos. lock,OFF Pos. open,ON R,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267362	F-2SV LF DR Op. Type F. OFF Pos. lock,RESET Pos. open,ON up,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267363	F-2SV LF DR Y Op. Type F. OFF Pos. lock,RESET Pos. open,ON L,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267364	F-2SV LF DR Z Op. Type F. OFF Pos. lock,RESET Pos. open,ON R,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267365	F-2SV LN DF Op. Type F. ON/OFF Pos. lock,OFF Pos. open,ON up,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267371	F-2SVE LF DF Op. Type F Emerg. OFF Pos-lock,OFF Pos-open,ON up,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267372	F-2SVE LF DF Y Op. Type F Emerg. OFF Pos-lock,OFF Pos-open,ON L,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267373	F-2SVE LF DF Z Op. Type F Emerg. OFF Pos-lock,OFF Pos-open,ON R,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267374	F-2SVE LF DR Op. Type F Emerg. OFF Pos-lock,RESET Pos-open,ON up,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267375	F-2SVE LF DR Y Op. Type F Emerg. OFF Pos-lock,RESET Pos-open,ON L,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267376	F-2SVE LF DR Z Op. Type F Emerg. OFF Pos-lock,RESET Pos-open,ON R,NF125,160,250 W105 2,3,4P Class 100100902: FA-MCCB: Mechanical Option
267395	FT-2SV4 Front connection screw terminal -EU Standard. For W105 4-pole. Class 100100902: FA-MCCB: Mechanical Option
267396	HLF-05SV Handle lock device removable type. OFF lock. Class 100100902: FA-MCCB: Mechanical Option
267397	HLN-05SV Handle lock device removable type. ON lock. Class 100100902: FA-MCCB: Mechanical Option
267400	HLS-2SV Handle lock device fix type. OFF lock. For W105. Class 100100902: FA-MCCB: Mechanical Option
267402	MDSAD240-NF2SVE Electrical operation device. Motor AC 100-240V / DC 100-250V for NF W105 Class 100100903: FA-MCCB: Electrical Option
267407	MDSD024-NF2SVE Electrical operation device. Motor DC 24V for NF W105 Class 100100903: FA-MCCB: Electrical Option
267411	MDSD060-NF2SVE Electrical operation device. Motor DC 48-60V for NF W105 Class 100100903: FA-MCCB: Electrical Option

Material	Description / Price List Text / Classification
267415	MDSPSAD240-SV Power supply module for MDS. AC100-240V / DC100-250V Class 100100903: FA-MCCB: Electrical Option
267416	MDSPSD024-SV Class 100100903: FA-MCCB: Electrical Option
267417	MDSPSD060-SV Class 100100903: FA-MCCB: Electrical Option
267424	MI-2SV4 Mechanical interlock. For W105; 4 poles. Panel mounting. Class 100100902: FA-MCCB: Mechanical Option
267437	PMD-2SV4 Base of Plug-In kit without PLT, Safety Device. (W105, 4P) Class 100100902: FA-MCCB: Mechanical Option
267451	PMDN-2SV4 Plug-In kit without PLT, Safety Device. (W105, 4P) Class 100100902: FA-MCCB: Mechanical Option
267465	PMN-2SV4 Connector kit on breaker for Plug in connection. (W105, 4P) Class 100100902: FA-MCCB: Mechanical Option
267475	PTC-2SV4 Terminal Cover for Plug-In. (W90, 4P) Class 100100902: FA-MCCB: Mechanical Option
267478	SHTA048-05SVR Shunt trip. AC 24-48V, R hand fitting, for W75, 90, 105. Flying lead. Class 100100903: FA-MCCB: Electrical Option
267480	SHTA048-05SVRFS Shunt trip. AC 24-48V, R hand fitting 4P, for W75, 90, 105. Terminal block. Class 100100903: FA-MCCB: Electrical Option
267483	SHTA240-05SVR Shunt trip. AC 100-240V, R hand fitting, for W75, 90, 105. Flying lead. Class 100100903: FA-MCCB: Electrical Option
267485	SHTA240-05SVRFS Shunt trip. AC 100-240V, R hand fitting 4P, for W75, 90, 105. Terminal block. Class 100100903: FA-MCCB: Electrical Option
267488	SHTA550-05SVR Shunt trip. AC 380-550V, R hand fitting, for W75, 90, 105. Flying lead. Class 100100903: FA-MCCB: Electrical Option
267490	SHTA550-05SVRFS Shunt trip. AC 380-550V, R hand fitting 4P, for W75, 90, 105. Terminal block. Class 100100903: FA-MCCB: Electrical Option
267493	SHTD012-05SVR Shunt trip. DC 12V, R hand fitting, for W75, 90, 105. Flying lead. Class 100100903: FA-MCCB: Electrical Option
267495	SHTD012-05SVRFS Shunt trip. DC 12V, R hand fitting 4P, for W75, 90, 105. Terminal block. Class 100100903: FA-MCCB: Electrical Option
267498	SHTD036-05SVR Shunt trip. DC 24-36V, R hand fitting, for W75, 90, 105. Flying lead. Class 100100903: FA-MCCB: Electrical Option
267500	SHTD036-05SVRFS Shunt trip. DC 24-36V, R hand fitting 4P, for W75, 90, 105. Terminal block. Class 100100903: FA-MCCB: Electrical Option
267503	SHTD048-05SVR Shunt trip. DC 36-48V, R hand fitting, for W75, 90, 105. Flying lead. Class 100100903: FA-MCCB: Electrical Option
267505	SHTD048-05SVRFS Shunt trip. DC 36-48V, R hand fitting 4P, for W75, 90, 105. Terminal block. Class 100100903: FA-MCCB: Electrical Option
267508	SHTD125-05SVR Shunt trip. DC 100-125V, R hand fitting, for W75, 90, 105. Flying lead. Class 100100903: FA-MCCB: Electrical Option
267510	SHTD125-05SVRFS Shunt trip. DC 100-125V, R hand fitting 4P, for W75, 90, 105. Terminal block. Class 100100903: FA-MCCB: Electrical Option
267513	SHTD250-05SVR Shunt trip. DC 220-250V, R hand fitting, for W75, 90, 105. Flying lead. Class 100100903: FA-MCCB: Electrical Option

Material	Description / Price List Text / Classification
267515	SHTD250-05SVRFS Shunt trip. DC 220-250V, R hand fitting 4P, for W75, 90, 105. Terminal block. Class 100100903: FA-MCCB: Electrical Option
267524	SL-2SV4L Solderless terminal. 14 - 95mm², for W105 4-polig. Class 100100902: FA-MCCB: Mechanical Option
267525	SL-2SV4G Solderless terminal. 70 - 125mm², for W105 4-polig. Class 100100902: FA-MCCB: Mechanical Option
267541	ST-2SV4 Rear connection. For NF-SV W105 4-pole. Class 100100902: FA-MCCB: Mechanical Option
267550	TCL-2SV4 Terminal cover - large. For W105 4-pole. Class 100100902: FA-MCCB: Mechanical Option
267558	TCS-2SV4 Terminal cover - small. For W105 4-pole. Class 100100902: FA-MCCB: Mechanical Option
267566	TTC-2SV4 Terminal cover - transparent. For W105 4-pole. Class 100100902: FA-MCCB: Mechanical Option
267599	UVTSA250-05SVR Under voltage trip. AC 200-250V, Instantaneous, Synch, Right, Flying lead. Class 100100903: FA-MCCB: Electrical Option
267601	UVTSA250-05SVRFS Undervoltage Trip; AC 200-250V;30 to 250A frames; Right pole (4poles); with SLT Class 100100903: FA-MCCB: Electrical Option
267604	UVTSA480-05SVR Under voltage trip. AC 380-480V, Instantaneous, Synch, Right, Flying lead. Class 100100903: FA-MCCB: Electrical Option
267606	UVTSA480-05SVRFS Under voltage trip. AC 380-480V, Instantaneous, Synch, Right 4P, Terminal. Class 100100903: FA-MCCB: Electrical Option
267609	UVTSA600-05SVR Under voltage trip. AC 500-600V, Instantaneous, Synch, Right, Flying lead. Class 100100903: FA-MCCB: Electrical Option
267611	UVTSA600-05SVRFS Under voltage trip. AC 500-600V, Instantaneous, Synch, Right 4P, Terminal. Class 100100903: FA-MCCB: Electrical Option
267614	UVTSA024-05SVR Under voltage trip. AC/DC 24V, Instantaneous, Synch, Right, Flying lead. Class 100100903: FA-MCCB: Electrical Option
267616	UVTSA024-05SVRFS Under voltage trip. AC/DC 24V, Instantaneous, Synch, Right 4P, Terminal. Class 100100903: FA-MCCB: Electrical Option
267619	UVTSA048-05SVR Under voltage trip. AC/DC 48V, Instantaneous, Synch, Right, Flying lead. Class 100100903: FA-MCCB: Electrical Option
267621	UVTSA048-05SVRFS Under voltage trip. AC/DC 48V, Instantaneous, Synch, Right 4P, Terminal. Class 100100903: FA-MCCB: Electrical Option
267624	UVTSA0130-05SVR Under voltage trip. AC/DC 100-130V, Instantaneous, Synch, Right, Flying lead. Class 100100903: FA-MCCB: Electrical Option
267626	UVTSA0130-05SVRFS Under voltage trip. AC/DC 100-130V, Instantaneous, Synch, Right 4P, Terminal. Class 100100903: FA-MCCB: Electrical Option
267689	UVTSA048-05SVRU05 Under voltage trip. AC 24/48V, 0,1/0,3/0,5 s, Synch, Right, Flying lead. Class 100100903: FA-MCCB: Electrical Option
267691	UVTSA048-05SVRFSU05 Under voltage trip. AC 24/48V, 0,1/0,3/0,5 s, Synch, Right 4P, Terminal. Class 100100903: FA-MCCB: Electrical Option
267694	UVTSA450-05SVRU05 Under voltage trip. AC 120/240/450V, 0,1/0,3/0,5 s, Synch, Right, Flying lead. Class 100100903: FA-MCCB: Electrical Option
267696	UVTSA450-05SVRFSU05 Under voltage trip. AC 120/240/450V, 0,1/0,3/0,5 s, Synch, Right 4P, Terminal. Class 100100903: FA-MCCB: Electrical Option

Material	Description / Price List Text / Classification
267701	UVTSA550-05SVRFSU05 Under voltage trip. AC 250/450/550V, 0,1/0,3/0,5 s, Synch, Right 4P, Terminal. Class 100100903: FA-MCCB: Electrical Option
267709	UVTSD048-05SVRU05 Under voltage trip. DC 24/48V, 0,1/0,3/0,5 s, Synch, Right, Flying lead. Class 100100903: FA-MCCB: Electrical Option
267711	UVTSD048-05SVRFSU05 Under voltage trip. DC 24/48V, 0,1/0,3/0,5 s, Synch, Right 4P, Terminal. Class 100100903: FA-MCCB: Electrical Option
267724	UVTSA450-05SVRU30 Under voltage trip. AC 120/240/450V, 0,5/1,0/3,0 s, Synch, Right, Flying lead. Class 100100903: FA-MCCB: Electrical Option
267726	UVTSA450-05SVRFSU30 Under voltage trip. AC 120/240/450V, 0,5/1,0/3,0 s, Synch, Right 4P, Terminal. Class 100100903: FA-MCCB: Electrical Option
267755	V-2SV V-handle. For 3 and 4-pole Breaker NF/DSN 125AF, 160AF, 250AF. Handle black. Class 100100902: FA-MCCB: Mechanical Option
267756	V-2SVE V-handle. For 3 and 4-pole Breaker NF/DSN 125AF, 160AF, 250AF. Handle red/yellow Class 100100902: FA-MCCB: Mechanical Option
267761	LC-05SV Lock cover Class 100100902: FA-MCCB: Mechanical Option
403223	AX2-05SVL Auxiliary switch. 2CO; Flying lead; Left hand fitting; For 30 to 250A Class 100100903: FA-MCCB: Electrical Option
602591	AX2-05SVLB Auxiliary switch.2CO; Flying lead; Left pole; For 30 to 250A; Minute load switch Class 100100903: FA-MCCB: Electrical Option
602612	AX2-05SVRB Auxiliary switch.2CO; Flying lead;Right pole; For 30 to 250A; Minute load switch Class 100100903: FA-MCCB: Electrical Option