



MATERIAL FACT SHEET

221581 Q20UDEHCPU

General Data

Product Hierarchy	IAD50702
	Modular PLC
	Q-Single
Ext. Material Group	10 EOL ANNOUNCED
ABC Indicator	B (Limited Availability from Stock)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000221581

FA-MOD PLC: CPU Module

Series	MELSEC-Q SERIES
Type	UNIVERSAL MODEL QCPU
Program Memory	200K
Program Memory Unit	STEPS
Local I/O Points	4096
Local + Remote I/O Points	8192
Cycle Time LD (ns)	9,5
Cycle Time MOV (ns)	19
USB	1
Ethernet Port	1
Buffer Battery	YES
Int. Current Consumption (A)	0,64

Product Dimensions & Weight

Width (mm)	27,4
Height (mm)	98
Depth (mm)	89,3
Weight (kg)	0,22

Logistic Dimensions & Gross Weight

Length (cm)	17,0
Width (cm)	15,0
Height (cm)	7,0
Gross Weight (kg)	0,284
Volume (cdm)	1,785

Stock Data

Planned Delivery Time (Days)	136
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Life Cycle

Sales Start	30.04.2009
Discontinued (EOL)	12.01.2024
Last Time Buy (LTB)	30.08.2026
Last Time Purchase (LTP)	30.09.2026
End of Service (EOS)	31.10.2033
Predecessor	No Predecessor
Successor	266165 / Q26UDVCP

Additional Product Information

Binding Tariff Information	DEBTI-52748/20-1
BTI validity date	27.06.2024
Battery included	YES - CHECK SPARE PART LIST

Export Data

Legal Control (Dual Use List)	Not Listed
Country of Origin	Japan (JP)

Preference Status (Supplier Declaration)	Non EU
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Environmental

REACH Limit Exceeded	YES
REACH Substance CAS Number	110-71-4
REACH Substance CAS Number (2)	12060-00-3
REACH Substance CAS Number (3)	2451-62-9
REACH Substance CAS Number (4)	7439-92-1
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	COMPLIANT
Shipping Approvals	ABS,BV,DNV GL,LR,NK,RINA
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=Q20UDEHCPU&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=Q20UDEHCPU&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=Q20UDEHCPU&doc-lang=en

Product Packaging

Cardboard (g)	55
Other paper (g)	1
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	23
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
130376	Q6BAT	1	PC

Compatible products

Material	Description / Price List Text / Classification
129650	Q2MEM-ADP PLC Q Series PC card adapter for PCMCIA slot Class 100100215: FA-MOD PLC: Other Option
129854	Q2MEM-BAT PLC Q Series Battery for Q2MEM-1MBS Class 100100216: FA-MOD PLC: Spare Part
129854	Q2MEM-BAT PLC Q Series Battery for Q2MEM-1MBS Class 100101303: FA-OTHERS: Battery
130376	Q6BAT Lithium Cell for Programmable Controller type Q CPU; CR17335SE-R 3V Class 100100216: FA-MOD PLC: Spare Part
130376	Q6BAT Lithium Cell for Programmable Controller type Q CPU; CR17335SE-R 3V Class 100101303: FA-OTHERS: Battery
217621	Q3MEM-4MBS PLC Q Series SRAM Card 4MB Class 100100215: FA-MOD PLC: Other Option
217622	Q3MEM-4MBS-SET PLC Q Series SRAM Card 4MB, incl. cover Class 100100215: FA-MOD PLC: Other Option
217623	Q3MEM-8MBS PLC Q Series SRAM Card 8MB Class 100100215: FA-MOD PLC: Other Option

Material	Description / Price List Text / Classification
217624	Q3MEM-8MBS-SET PLC Q Series SRAM Card 8MB, incl. cover Class 100100215: FA-MOD PLC: Other Option
221540	USB-CAB-5M USB 2.0 connection cabel, plug USB A to plug USB B (mini), 5m Class 100100303: FA-HMI: Cable
234630	GX Works2 V01-2L0C-E PLC Programming –S/W for MELSEC Q/L/F; USB; 2 PCs Class 100101201: FA-Software: Software PLC
234631	GX Works2 V01-5L0C-E PLC Programming –S/W for MELSEC Q/L/F;engl;USB;5 PC´s Class 100101201: FA-Software: Software PLC
236259	Q3MEM-BAT PLC Q Series battery for Q3MEM- memory card; 3V DC; 550mAh Class 100100216: FA-MOD PLC: Spare Part
236259	Q3MEM-BAT PLC Q Series battery for Q3MEM- memory card; 3V DC; 550mAh Class 100101303: FA-OTHERS: Battery
244876	GX Works2 V01-2L0C-G PLC Programming –S/W for MELSEC Q/L/F Series; German; USB; 2 PCs Class 100101201: FA-Software: Software PLC
244877	GX Works2 V01-5L0C-G PLC Programming –S/W for MELSEC Q/L/F; USB; 5 PCs Class 100101201: FA-Software: Software PLC
278166	SC-E5EW-S45M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;45m Class 100100214: FA-MOD PLC: Cable
291807	SC-E5EW-S1M-MV Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 1m Class 100100214: FA-MOD PLC: Cable
291808	SC-E5EW-S3M-MV Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 3m Class 100100214: FA-MOD PLC: Cable
295425	SC-E5EW-S05M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight;indoor;0.5m Class 100100214: FA-MOD PLC: Cable
295426	SC-E5EW-S1M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 1m Class 100100214: FA-MOD PLC: Cable
295427	SC-E5EW-S3M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 2m Class 100100214: FA-MOD PLC: Cable
296266	Q8BAT-SET Q Series; Large capacity battery Class 100100216: FA-MOD PLC: Spare Part
296266	Q8BAT-SET Q Series; Large capacity battery Class 100101303: FA-OTHERS: Battery
308746	Q8BAT PLC Q Series Battery for CPU; 3 V DC; 18000 mAh Class 100100216: FA-MOD PLC: Spare Part
308746	Q8BAT PLC Q Series Battery for CPU; 3 V DC; 18000 mAh Class 100101303: FA-OTHERS: Battery
408932	Q2MEM-1MBSN PLC Q Series Compact SRAM Memory Card 1 MB Class 100100215: FA-MOD PLC: Other Option
408933	Q2MEM-2MBSN PLC Q Series Compact SRAM Memory Card 2 MB Class 100100215: FA-MOD PLC: Other Option
413182	SC-E5EW-S10M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;10m Class 100100214: FA-MOD PLC: Cable
413183	SC-E5EW-S25M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;25m Class 100100214: FA-MOD PLC: Cable
413184	SC-E5EW-S5M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 5m Class 100100214: FA-MOD PLC: Cable

Material	Description / Price List Text / Classification
470796	Q7BATN PLC Q Series Battery for CPU; 3 V DC; 6000 mAh Class 100100216: FA-MOD PLC: Spare Part
470796	Q7BATN PLC Q Series Battery for CPU; 3 V DC; 6000 mAh Class 100101303: FA-OTHERS: Battery
470797	Q7BATN-SET PLC Q Series Battery for CPU; 3 V DC; 6000 mAh; incl. Battery holder Class 100100216: FA-MOD PLC: Spare Part
470797	Q7BATN-SET PLC Q Series Battery for CPU; 3 V DC; 6000 mAh; incl. Battery holder Class 100101303: FA-OTHERS: Battery
486376	SC-E5EW-S2M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 2m Class 100100214: FA-MOD PLC: Cable
486377	SC-E5EW-S4M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor; 4m Class 100100214: FA-MOD PLC: Cable
487403	SC-E5EW-S15M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;15m Class 100100214: FA-MOD PLC: Cable
487404	SC-E5EW-S20M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight; indoor;20m Class 100100214: FA-MOD PLC: Cable
557483	SC-E5EW-S100M Ethernet cable; CC-Link IE; category 5e; dbl. shielded/STP; straight;indoor;100m Class 100100214: FA-MOD PLC: Cable