

DATASHEET - RA-C1-7X4HF



Flat cable, 7x4qmm, halogen free



Part no. RA-C1-7X4HF
Catalog No. 230860
Alternate Catalog No. RA-C1-7X4HF

Delivery program

Product range			Power supply at flat cable RA-C1
Subrange			Flat cable
Basic function			for 400 V AC/24 V DC decentralized power supply or AS-Interface
Description			halogen free, 7 x 4 mm ²
For use with			
For use with			RA-C1...
Instructions Paint film contaminant/silicon-free			

Technical data

General

Standards			EN 60332-1 EN 60811-100 EN 60754-1
Ambient temperature			
Operation	ø	°C	-15 - +50
Storage	ø	°C	-5 - +55
Mounting position			As required
Flame retardance, fire propagation			Self-extinguishing to IEC 60332-1
Resistance to oils and acids			To VDE 0473, Part 811-2-1
Sheathing			Material according to DIN VDE 0282, EVA mixture EM4, black
Minimum bending radius		mm	18
Cable weight		kg/km	440
Outer dimensions L x W x H		mm	L x 34.8 x 6.0

Main circuit

Rated operational voltage	U _e		750 V AC
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Connection cable

Minimum bending radius		mm	18
Resistance to oils and acids			To VDE 0473, Part 811-2-1
Flame retardance, fire propagation			Self-extinguishing to IEC 60332-1

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-15
Operating ambient temperature max.		°C	50

Technical data ETIM 7.0

Cables (EG000001) / Power cable < 1 kV, for moving application (EC003250)			
Nominal cross section conductor		mm ²	4
AWG size			0
Nominal cross section conductor (AWG)		kcmil	0
Conductor category			Class 5 = flexible
Number of cores			7
Stranding element			No
Core insulation material			Other
Specification core insulation			Rubber - ethylene-vinyl acetate (EVA)
Core identification			Numbers
Protective conductor			Yes

Screen over stranding element			None
Screen over stranding			None
Suspension element			Other
Material outer sheath			Other
Specification material outer sheath			Rubber - ethylene-vinyl acetate (EVA)
Colour outer sheath			Black
Torsion resistant			No
Reaction-to-fire class according to EN 13501-6			None
Smoke development class according to EN 13501-6			None
Euro class flaming droplets/particles according to EN 13501-6			None
Euro class acidity according to EN 13501-6			None
Halogen free (acc. EN 60754-1/2)			Yes
Flame retardant			In accordance with EN 60332-1-2
Low smoke (acc. EN 61034-2)			No
Low temperature resistant (acc. EN 60811-504+505+506)			No
Oil resistant (acc. EN 60811-404)			Yes
Shape			Flat
Cable width approx.		mm	34.8
Cable height approx.		mm	6
Outer diameter approx.		mm	0
Min. permitted bending radius, moving application with forced guidance		mm	0
Min. permitted bending radius, moving application/free movement		mm	0
Min. permitted bending radius, stationary application/permanent installation		mm	18
Permitted cable outer temperature during assembling/handling		°C	0 - 55
Permitted cable outer temperature after assembling without vibration		°C	0 - 50
Nominal voltage U0		V	0
Nominal voltage U		V	750

Additional product information (links)

IL03406020Z Rapid Link: Speed Control Unit	
IL03406020Z Rapid Link: Speed Control Unit	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL03406020Z2018_05.pdf
MN03406003Z Rapid Link 4.0	
MN03406003Z Rapid Link 4.0 - Deutsch	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN03406003Z_DE.pdf
MN03406003Z Rapid Link 4.0 - English	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN03406003Z_EN.pdf
MN03406003Z Rapid Link 4.0 - français	https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN03406003Z_FR.pdf
CA04020001Z-EN Product Range Catalog: Efficient Engineering for Starting and Controlling Motors	http://www.eaton.eu/DE/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_1095238.pdf