



Selection and Ordering data		Article No.
MFA 4P Motion Failure Alarm Controller A highly sensitive single setpoint motion sensor system, used with MSP probes. ➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.		➤ 7MH7144- 
Enclosure NEMA 4X, polycarbonate enclosure NEMA 4, painted mild steel enclosure NEMA 4X, 304 (1.4301) stainless steel enclosure		1 2 3
Input Voltage 100/115/200/230 V AC, 50/60 Hz, switch selectable		A
Speed detection version Standard, underspeed (U/S) or overspeed (O/S), switch selectable Slow speed (S/S), U/S or O/S detection, switch selectable (limit of 15 ppm)		A B
Approvals CE, RCM, CSA _{US/IC} , FM		2
Selection and Ordering data		Order code
<i>Further designs</i>		
Please add "-Z" to Article No. and specify Order code(s).		
Manufacturer's test certificate: According to EN 10204-2.2		➤ C11
Acrylic coated, stainless steel tag [69 x 50 mm (2.7 x 1.97 inch)]: Measuring-point number/identification (max. 27 characters), specify in plain text		➤ Y15
Painted mild steel, heated enclosure with viewing window for use down to -50 °C (-58 °F) (finished unit is mounted inside enclosure) 483 x 584 x 203 mm (19 x 23 x 8 inch)		A35
Stainless steel, sun/weather shield (finished unit is field mounted inside enclosure) [357 x 305 x 203 mm (14 x 12 x 8 inch)]		➤ S50
<i>Operating Instructions</i>		Article No.
English		A5E33988839
French		7ML1998-5FM11
Spanish		7ML1998-5FM21
German		7ML1998-5FM31
Note: The operating instructions should be ordered as a separate item on the order.		
<i>Spare Parts</i>		
Relay		7MH7723-1DW
Transformer		7MH7723-1DX
Circuit Card, standard		7MH7723-1DU
Circuit Card, Slow speed		7MH7723-1DV
Lid with overlay for MFA 4p		7MH7723-1GY
➤ We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ➤. For details see page 9/5 in the appendix.		

Selection and Ordering data		Article No.
Milltronics RMA Remote Mounted Amplifier Remote mounted amplifier for Milltronics MSP-3 and MSP-9 motion sensing probes. ➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.		➤ 7MH7145- 0
Enclosure Aluminum enclosure, IP65, Type/NEMA 4X, ½" NPT entry Painted steel, Type/NEMA 4, IP65 rating 304 (1.4301) stainless steel enclosure, Type/NEMA 4X, IP65 rating		A C D
Selection and Ordering data		Order code
<i>Further designs</i>		
Please add "-Z" to Article No. and specify Order code(s).		
Manufacturer's test certificate: According to EN 10204-2.20		➤ C11
Acrylic coated, stainless steel tag [38 x 51 mm (1.5 x 2 inch)]: Measuring-point number/identification (max. 16 characters), specify in plain text		➤ Y18
<i>Operating Instructions</i>		Article No.
English		A5E33988839
French		7ML1998-5FM11
Spanish		7ML1998-5FM21
German		7ML1998-5FM31
Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.		
<i>Spare Parts</i>		
Card, RMA		7MH7723-1DT
➤ We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ➤. For details see page 9/5 in the appendix.		

Selection and Ordering data	Article No.
Milltronics Motion Sensing Probes A series of motion sensing probes used with the MFA 4p. Milltronics MSP-3: heavy-duty, high temperature aluminum Milltronics MSP-9: heavy-duty, high temperature stainless steel Milltronics MSP-12: heavy-duty, general purpose Milltronics XPP-5: hazardous rated Note: Milltronics MSP-3 and MSP-9 probes require the use of Milltronics RMA (amplifier) ➤ Click on the Article No. for the online configuration in the PIA Life Cycle Portal.	7MH7146- 
Cable Length Standard length (as described in Model options) ¹⁾ Add Order code Y01 and plain text: <u>"Total cable length ... m"</u> Extended cable length 2 ... 30 m (6.6 ... 98.4 ft) ²⁾ Extended cable length 31 ... 50 m (101.7 ... 164 ft) ⁴⁾ Extended cable length 51 ... 100 m (167.3 ... 328.1 ft) ⁴⁾	0 1 2 3
Model [standard cable length/type] MSP-3, ½" NPT cable inlet ³⁾ [1.5 m (5 ft) high temperature cable] MSP-9 [1.5 m (5 ft) high temperature cable] ³⁾ MSP-12, ½" NPT cable inlet XPP-5 [1.5 m (5 ft) cable, (CSA Class I, Groups A, B, C and D; Class II Groups E, F, and G)] XPP-5 [10 m (32.8 ft) cable, (CSA Class I, Groups A, B, C, and D; Class II Groups E, F, and G)] XPP-5 [15 m (49.2 ft) cable, (CSA Class I, Groups A, B, C and D; Class II Groups E, F, and G)]	B D E G H J
Approvals CE, RCM	A

1) No Y01 needed in Order code for standard length

²⁾ Only available with model options B, D, G, H, J

³⁾ MSP-3 and MSP-9 probes required the use of RMA (amplifier)

4) Available with Model options G, H, and J only

◆ We can offer shorter delivery times for configurations designated with the Quick Ship Symbol ◆. For details see page 9/5 in the appendix.

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Article No. and specify Order code(s).	
Total cable length: enter the total cable length in plain text description	Y01
Acrylic coated, stainless steel tag [13 x 45 mm (0.5 x 1.75 inch)]: Measuring-point number/identification (max. 16 characters), specify in plain text	Y17
Cable gland kit	A57
Manufacturer's test certificate: According to EN 10204-2.2	C11
Operating Instructions	Article No.
English	A5E33988839
French	7ML1998-5FM11
Spanish	7ML1998-5FM21
German	7ML1998-5FM31
Note: The operating instructions should be ordered as a separate item on the order. This device is shipped with the Siemens Milltronics manual DVD containing the complete operating instructions library.	
Spare Parts	
Locknut, for MSP-3, MSP-7, MSP-12, XPP-5	7MH7723-1CR
Mounting flange, for MSP-3, MSP-7, MSP-12, XPP-5	7MH7723-1CS
Mounting bracket for MSP-9	7MH7723-1CT
Lid, 1/2" NPT cable inlet for MSP-3, MSP-7, MSP-12	7MH7723-1CU
Lid for MSP-9	7MH7723-1CV
Lid gasket, for MSP-3, MSP-9	7MH7723-1CW
Lid gasket, for MSP-7, MSP-12	7MH7723-1CX
Motion cable gland adaptor kit	7MH7723-1JU

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