

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6FC5247-0AF12-1AA0

SPINDLE AND RAPID-TRAVERSE OVERRIDE SWITCH

Used with the applicable SINUMERIK configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens technical documentation for 6FC5247-0AF12-1AA0

SINUMERIK Operate

Machine control panels

Machine control panel black line plus > SINUMERIK MCP 398C

Technical specifications

Article number	6FC5303-0AF25-0AA0
Product brand name	SINUMERIK
Product short term	MCP 398C
Product designation	Machine control panel
Supply voltage at DC	24 V
Active power consumption maximum	29.3 W
Transmission link maximum	100 m (109.36133 yd)
Degree of protection	
• front	IP54
• rear	IP00
• note	Mounting frame IP65
Environmental category acc. to IEC 60721-3-3	Condensation and icing excluded. Low air temperature 0 °C (32 °F).
Relative humidity at 25 °C (77 °F), during	
• storage	5 ... 95 %
• transport	5 ... 95 %
• operation	5 ... 95 %
Ambient temperature, during	
• storage	-25 ... +55 °C (-13 ... +131 °F)
• transport	-40 ... +70 °C (-40 ... +158 °F)
• operation	
- front	0 ... 45 °C (32 ... 113 °F)
- rear	0 ... 55 °C (32 ... 131 °F)
Width	398 mm (15.66929 in)
Height	225 mm (8.85827 in)
Depth	110.4 mm (4.34646 in)
• Note	With connector for handwheel connection
Installation depth	63 mm (2.48032 in)
• Note	With connector for handwheel connection clearance + 10 mm (0.39 in)
Mounting surface	
• section width	379.5 mm (14.94095 in)
• section height	206.5 mm (8.12992 in)
Net weight	1.7 kg (3.74786 lb)
Certificate of suitability	CCC / CE / EAC / KC / RCM / UL

Selection and ordering data

Description	Article No.
SINUMERIK MCP 398C machine control panel Mechanical short-stroke keys Connection PROFINET/ Industrial Ethernet Width 398 mm (15.67 in)	6FC5303-0AF25-0AA0
SINUMERIK EM 66 expansion module Width 66 mm (2.60 in)	6FC5303-0AF30-0AA0
SINUMERIK EM 131 expansion module Width 131 mm (5.16 in)	6FC5303-0AF31-0AA0
SINUMERIK EM 187 expansion module Width 187 mm (7.36 in)	6FC5303-0AF28-0AA0
Accessories	
Square key cover, for labeling (1 set) 90 × ergo gray, 20 × medium gray, 20 × red, 20 × yellow, 20 × green	6FC5248-0AF12-0AA0
Square key cover, for labeling 90 × transparent	6FC5248-0AF21-0AA0
Set of key caps SINUMERIK key covers, square, for inscription	
• 500 × ergo gray (light basic)	6FC5348-0AF00-0AA0
• 500 × mid-gray (medium basic)	6FC5348-0AF01-0AA0
Emergency stop mushroom pushbutton 22 mm (0.87 in) with holder Plastic, round, red, positive latching, rotate to unlatch	3SB3000-1HA20
Contact block with 2 contacts Screw terminal, 2-pole 1 NO contact + 1 NC contact	3SB3400-0A
Spindle/rapid traverse override electronic rotary switch 1 × 16G, T=24, cap, button, pointer, and rapid traverse and spindle dials ¹⁾	6FC5247-0AF12-1AA0
Feedrate/rapid traverse override, electronic rotary switch 1 × 23G, T=32, cap, button, pointer, and rapid traverse and feedrate dials ²⁾	6FC5247-0AF13-1AA0
Cable set (1 set = 60 units) For additional machine control panel control devices Length 500 mm (19.69 in)	6FC5247-0AA35-0AA0
Signal cable, pre-assembled For connecting an electronic handwheel Length max. 25 m (82 ft) ³⁾	6FX8002-2CP00-....

For Ethernet or PROFINET ordering data, see Industrial Ethernet Switches – SCALANCE.

¹⁾ 16G: Latching at position 16; T=24: 24 positions for 360°

²⁾ 23G: Latching at position 23; T=32: 32 positions for 360°

³⁾ For complete article number and length code, see MOTION-CONNECT connection systems.