SIEMENS

Data sheet

6GK7177-1FA10-0AA0

Product type designation



LOGO! CSM 230

LOGO! CSM 230 COMPACT SWITCH MODULE CONNECT. TO LOGO! (..0BA7) AND UP TO 3 ADDITIONAL CLIENTS TO IND. ETHERNET W. 10/100 MBIT/S UNMANAGED SWITCH, 4 RJ45 PORTS, 1XFRONTPORT FOR DIAGNOSTICS 115... 240 V AC/DC

Interfaces Number of electrical/optical connections • for network components or terminal equipment / maximum Number of electrical connections • for network components or terminal equipment Type of electrical connection • for network components or terminal equipment RJ45 port / 1 connection on front of module Interfaces / for communication / integrated Number of 100 Mbit/s SC ports / for multimode Number of 1000 Mbit/s LC ports / for multimode Interfaces / others Number of electrical connections • for power supply 1 Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	Transmission rate		
Number of electrical/optical connections • for network components or terminal equipment / maximum Number of electrical connections • for network components or terminal equipment Type of electrical connection • for network components or terminal equipment RJ45 port / 1 connection on front of module Interfaces / for communication / integrated Number of 100 Mbit/s SC ports / for multimode Number of 1000 Mbit/s LC ports / for multimode Interfaces / others Number of electrical connections • for power supply 1 Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	Transfer rate	10 Mbit/s, 100 Mbit/s	
for network components or terminal equipment / maximum Number of electrical connections • for network components or terminal equipment Type of electrical connection • for network components or terminal equipment RJ45 port / 1 connection on front of module Interfaces / for communication / integrated Number of 100 Mbit/s SC ports / for multimode Number of 1000 Mbit/s LC ports / for multimode O Interfaces / others Number of electrical connections • for power supply Type of electrical connection • for power supply Supply voltage, current consumption, power loss	Interfaces		
Number of electrical connections • for network components or terminal equipment Type of electrical connection • for network components or terminal equipment RJ45 port / 1 connection on front of module Interfaces / for communication / integrated Number of 100 Mbit/s SC ports / for multimode Number of 1000 Mbit/s LC ports / for multimode Interfaces / others Number of electrical connections • for power supply 1 Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	Number of electrical/optical connections		
• for network components or terminal equipment Type of electrical connection • for network components or terminal equipment Interfaces / for communication / integrated Number of 100 Mbit/s SC ports / for multimode Number of 1000 Mbit/s LC ports / for multimode Interfaces / others Number of electrical connections • for power supply Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss		4	
Type of electrical connection • for network components or terminal equipment RJ45 port / 1 connection on front of module Interfaces / for communication / integrated Number of 100 Mbit/s SC ports / for multimode Number of 1000 Mbit/s LC ports / for multimode Interfaces / others Number of electrical connections • for power supply Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	Number of electrical connections		
● for network components or terminal equipment RJ45 port / 1 connection on front of module Interfaces / for communication / integrated Number of 100 Mbit/s SC ports / for multimode Number of 1000 Mbit/s LC ports / for multimode Interfaces / others Number of electrical connections ● for power supply Type of electrical connection ● for power supply 3-pole terminal block Supply voltage, current consumption, power loss	 for network components or terminal equipment 	4	
Interfaces / for communication / integrated Number of 100 Mbit/s SC ports / for multimode Number of 1000 Mbit/s LC ports / for multimode Interfaces / others Number of electrical connections • for power supply Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	Type of electrical connection		
Number of 100 Mbit/s SC ports / for multimode Number of 1000 Mbit/s LC ports / for multimode Interfaces / others Number of electrical connections • for power supply Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	• for network components or terminal equipment	RJ45 port / 1 connection on front of module	
Number of 1000 Mbit/s LC ports / for multimode Interfaces / others Number of electrical connections • for power supply Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	Interfaces / for communication / integrated		
Interfaces / others Number of electrical connections • for power supply Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	Number of 100 Mbit/s SC ports / for multimode	0	
Number of electrical connections • for power supply Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	Number of 1000 Mbit/s LC ports / for multimode	0	
• for power supply Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	Interfaces / others		
Type of electrical connection • for power supply 3-pole terminal block Supply voltage, current consumption, power loss	Number of electrical connections		
• for power supply 3-pole terminal block Supply voltage, current consumption, power loss	for power supply	1	
Supply voltage, current consumption, power loss	Type of electrical connection		
	• for power supply	3-pole terminal block	
	Supply voltage, current consumption, power loss		
Type of voltage / of the supply voltage AC/DC 115240 V	Type of voltage / of the supply voltage	AC/DC 115240 V	
Supply voltage	Supply voltage		
• external 230 V	• external	230 V	
• external 100 240 V	• external	100 240 V	

Ambient temperature • during operation • during storage • during transport Relative humidity • at 25 °C / without condensation / during operation / maximum Protection class IP Design, dimensions and weight Design Width 72 mm Height 90 mm Depth 55 mm Net weight Mounting type • 35 mm DIN rail mounting • wall mounting • S7-1500 rail mounting • S7-1500 rail mounting Product functions / management, configuration Product functions / management, configuration Product functions • multiport mirroring • multiport mirroring • switch-managed	Product component / fusing at power supply input	Yes	
• with AC / at 230 V Permitted ambient conditions Ambient temperature • during operation • during storage • during transport • at 25 °C / without condensation / during operation / admin maximum Protection class IP Pesign LOGOI module 72 mm Height 90 mm Depth 55 mm Net weight 0,155 kg Mounting type • 35 mm DIN rail mounting • x7-300 rail mounting • x7-4500 rail mounting • x8-4500 rail x8-4500 rai	Consumed current / maximum	0.02 A	
Ambient temperature • during operation • during storage • during storage • during transport Relative humidity • at 25 °C / without condensation / during operation / maximum Protection class IP Posign dimensions and weight Design LOGOI module Width 72 mm Height 90 mm Depth 55 mm Net weight 0.155 kg Mounting type • 35 mm DIN rail mounting 9 ves • wall mounting 4 ves • \$7-300 rail mounting No • \$71-500 rail mounting No Product functions / management, configuration FM3600 and 3611: CL. I, Div.2, Group A,B.C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0+55°C • for hazardous zone • for safety / from CSA and UL Certificate of suitability • CE marking 4 ves • KC approval Marine classification association	Active power loss		
Ambient temperature • during operation • during storage • during transport Relative humidity • at 25 °C / without condensation / during operation / maximum Protection class IP Design, dimensions and weight Design, dimensions and weight Pietight 90 mm Depth 55 mm Net weight Mounting type • 35 mm DIN rail mounting • sr3-300 rail mounting • Sr3-300 rail mounting • Sr7-1500 rail mounting • Sr7-1500 rail mounting • switch-managed Product functions / management, configuration Product function • multiport mirroring • switch-managed Standard • for FIM • for FIM • for in bazardous zone • for safety / from CSA and UL Certificate of suitability • CE marking • CTick • KC approval Muning types 10 \$55 °C 20 \$70 °C 21 \$70 °C 21 \$70 °C 22 \$70 °C 23 \$70 °C 24 \$70 °C 25 \$70 °C 26 \$70 °C 27 \$70 °C 28 \$70 °C 29 \$70 °C 20	• with AC / at 230 V	1.8 W	
• during operation • during storage • during transport Relative humidity • at 25 °C / without condensation / during operation / maximum Protection class IP Posign, dimensions and weight Design LOGOI module Width 72 mm Height 90 mm Depth 55 mm Net weight 0,155 kg Mounting type • 35 mm Din rail mounting Yes • soft mounting Yes • 37-300 rail mounting No • S7-1500 rail mounting No • witch-managed No Standard • for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0 ◆+55°C no • or safety / from CSA and UL Certificate of suitability • CE marking Yes • KC approval Marine classification association Marine classification association Marine classification association Ves •	Permitted ambient conditions		
• during storage • during transport • during transport Relative humidity • at 25 °C / without condensation / during operation / maximum Protection class IP Protection class IP Design LOGOI module 72 mm Height 90 mm Depth 55 mm Net weight 0.155 kg Mounting type • 35 mm DIN rail mounting • x8 mm DIN rail mounting • x7-300 rail mounting • x7-300 rail mounting No Product functions / management, configuration No Configuration / management, configuration No No Standard • for FM Group ILC, T4, Ta=0 ◆+55°C no no ultiport microfiguration No No Maria classification association	Ambient temperature		
• during transport	during operation	0 55 °C	
Relative humidity • at 25 °C / without condensation / during operation / maximum Protection class IP Design, dimensions and weight Design LOGOI module	during storage	-40 +70 °C	
• at 25 °C / without condensation / during operation / maximum Protection class IP Design, dimensions and weight Design Width 72 mm Height 90 mm Depth 55 mm Net weight 0.155 kg Mounting type • 35 mm DIN rail mounting Yes • wall mounting Yes • \$7-300 rail mounting No • \$7-1500 rail mounting No • Troduct functions / management, configuration Product function / management, configuration Product specifications, approvals Standards, specifications, approvals Standards of rafety / from CSA and UL Certificate of suitability • CE marking Yes • KC approval Marine classification association	during transport	-40 +70 °C	
Protection / maximum	Relative humidity		
Design, dimensions and weight Design LOGOI module Width Height 90 mm Depth 55 mm Net weight 0.155 kg Mounting type • 35 mm DIN rail mounting • wall mounting • s7-300 rail mounting • S7-300 rail mounting • S7-1500 rail mounting No Product functions / management, configuration Product function • multiport mirroring • switch-managed No Standards, specifications, approvals Standard • for FM for hazardous zone • for safety / from CSA and UL Certificate of suitability • CE marking • C-Tick • KC approval Marine classification association	_	90 %	
Design LOGOI module Width 72 mm Height 90 mm Depth 55 mm Net weight 0.155 kg Mounting type • 35 mm DIN rail mounting • wall mounting Yes • wall mounting No • S7-300 rail mounting No • S7-1500 rail mounting No • S7-1500 rail mounting No • multiport functions / management, configuration No • multiport mirroring No • switch-managed No Standards • for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0 ◆+55°C • for hazardous zone no • for safety / from CSA and UL UL60079-0, UL60079-15, CSA C22.2 Certificate of suitability Yes • CTick Yes • KC approval No	Protection class IP	IP20	
Design LOGOI module Width 72 mm Height 90 mm Depth 55 mm Net weight 0.155 kg Mounting type • 35 mm DIN rail mounting • wall mounting Yes • wall mounting No • S7-300 rail mounting No • S7-1500 rail mounting No • S7-1500 rail mounting No • multiport functions / management, configuration No • multiport mirroring No • switch-managed No Standards • for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0 ◆+55°C • for hazardous zone no • for safety / from CSA and UL UL60079-0, UL60079-15, CSA C22.2 Certificate of suitability Yes • CTick Yes • KC approval No	Design, dimensions and weight		
Height 90 mm Depth 55 mm Net weight 0.155 kg Mounting type		LOGO! module	
Depth 55 mm Net weight 0.155 kg Mounting type • 35 mm DIN rail mounting Yes • wall mounting Yes • s7-300 rail mounting No • S7-1500 rail mounting No • s7-1500 rail mounting No • multiport mirroring No • switch-managed No Standards, specifications, approvals Standard • for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0 +55°C • for hazardous zone no • for safety / from CSA and UL UL60079-0, UL60079-15, CSA C22.2 Certificate of suitability • CE marking Yes • KC approval No Marine classification association	Width	72 mm	
Net weight Mounting type • 35 mm DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting • S7-1500 rail mounting No Product functions / management, configuration Product function • multiport mirroring • switch-managed No Standards, specifications, approvals Standard • for FM • for hazardous zone • for safety / from CSA and UL Cet marking • C-Tick • KC approval Marine classification association	Height	90 mm	
Mounting type • 35 mm DIN rail mounting • wall mounting • S7-300 rail mounting • S7-1500 rail mounting No Product functions / management, configuration Product function • multiport mirroring • switch-managed No Standards, specifications, approvals Standard • for FM • for hazardous zone • for safety / from CSA and UL Certificate of suitability • CE marking • C-Tick • KC approval Marine classification association	Depth	55 mm	
* 35 mm DIN rail mounting * wall mounting * wall mounting * S7-300 rail mounting * S7-300 rail mounting * S7-1500 rail mounting * No Product functions / management, configuration Product function * multiport mirroring * switch-managed * No Standards, specifications, approvals Standard * for FM * FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0 + 55°C * for hazardous zone * for safety / from CSA and UL Certificate of suitability * CE marking * C-Tick * KC approval Marine classification association	Net weight	0.155 kg	
 wall mounting S7-300 rail mounting No S7-1500 rail mounting No Product functions / management, configuration Product function multiport mirroring switch-managed No Standards, specifications, approvals Standard for FM for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0 ◆+55°C for hazardous zone for safety / from CSA and UL UL60079-0, UL60079-15, CSA C22.2 Certificate of suitability CE marking C-Tick KC approval Marine classification association Yes KC approval Marine classification association Yes No 	Mounting type		
S7-300 rail mounting S7-1500 rail mounting No Product functions / management, configuration Product function multiport mirroring Standards, specifications, approvals Standard for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0+55°C for hazardous zone for safety / from CSA and UL Certificate of suitability CE marking C-Tick KC approval Marine classification association	• 35 mm DIN rail mounting	Yes	
S7-1500 rail mounting No Product functions / management, configuration Product function • multiport mirroring • switch-managed No Standards, specifications, approvals Standard • for FM • for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0+55°C • for hazardous zone • for safety / from CSA and UL Certificate of suitability • CE marking • C-Tick • KC approval Marine classification association	wall mounting	Yes	
Product functions / management, configuration Product function multiport mirroring switch-managed No Standards, specifications, approvals Standard for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0 +55°C for hazardous zone for safety / from CSA and UL Certificate of suitability CE marking C-Tick KC approval Marine classification association	• S7-300 rail mounting	No	
Product function • multiport mirroring • switch-managed No Standards, specifications, approvals Standard • for FM • for FM • for hazardous zone • for safety / from CSA and UL Certificate of suitability • CE marking • C-Tick • KC approval Marine classification association	● S7-1500 rail mounting	No	
 multiport mirroring switch-managed No Standards, specifications, approvals Standard for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0+55°C for hazardous zone for safety / from CSA and UL UL60079-0, UL60079-15, CSA C22.2 Certificate of suitability CE marking C-Tick KC approval No Marine classification association 	Product functions / management, configuration		
 ● switch-managed No Standards, specifications, approvals Standard ● for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0 +55°C ● for hazardous zone ● for safety / from CSA and UL UL60079-0, UL60079-15, CSA C22.2 Certificate of suitability ● CE marking ● C-Tick ● KC approval No Marine classification association 	Product function		
Standards, specifications, approvals Standard • for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0 +55°C • for hazardous zone • for safety / from CSA and UL UL60079-0, UL60079-15, CSA C22.2 Certificate of suitability • CE marking • C-Tick • KC approval Marine classification association	 multiport mirroring 	No	
Standard • for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0+55°C • for hazardous zone • for safety / from CSA and UL UL60079-0, UL60079-15, CSA C22.2 Certificate of suitability • CE marking • C-Tick • KC approval Marine classification association	• switch-managed	No	
 • for FM FM3600 and 3611: CL. I, Div2, Group A,B,C,D T4, CL I, Zone 2, Group IIC, T4, Ta=0♦+55°C • for hazardous zone • for safety / from CSA and UL UL60079-0, UL60079-15, CSA C22.2 Certificate of suitability • CE marking • C-Tick • KC approval Marine classification association 	Standards, specifications, approvals		
Group IIC, T4, Ta=0♦+55°C • for hazardous zone • for safety / from CSA and UL Certificate of suitability • CE marking • C-Tick • KC approval Marine classification association	Standard		
for safety / from CSA and UL Certificate of suitability CE marking C-Tick KC approval Marine classification association UL60079-0, UL60079-15, CSA C22.2 Yes Yes Yes No	• for FM		
Certificate of suitability CE marking C-Tick KC approval Marine classification association	• for hazardous zone	no	
 CE marking C-Tick KC approval Marine classification association Yes No Marine classification association	• for safety / from CSA and UL	UL60079-0, UL60079-15, CSA C22.2	
C-Tick Yes KC approval Marine classification association Yes No	Certificate of suitability		
◆ KC approval Marine classification association	• CE marking	Yes	
Marine classification association	• C-Tick	Yes	
	KC approval	No	
American Bureau of Shipping Europe Ltd. No			
(ABS)	 American Bureau of Shipping Europe Ltd. 	No	

Bureau Veritas (BV)
Det Norske Veritas (DNV)
Germanische Lloyd (GL)
Lloyds Register of Shipping (LRS)
No
Nippon Kaiji Kyokai (NK)
Polski Rejestr Statkow (PRS)
No

Further Information / Internet Links

Internet-Link

• to website: Selector SIMATIC NET SELECTION TOOL

• to website: Industrial communication

• to website: Industry Mall

• to website: Information and Download Center

• to website: Image database

to website: CAx Download Managerto website: Industry Online Support

http://www.siemens.com/snst

http://www.siemens.com/simatic-net

https://mall.industry.siemens.com

http://www.siemens.com/automation/net/catalog

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

Security information

Security information

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