## **SIEMENS**

## Data sheet

6AV7674-1LA53-0AA0

Extension Unit 19" PROFISAFE compatible with all IP65 fully enclosed 16:9 HMI/IPC devices. flexible configuration of control elements; 10 mounting positions; 10 control elements can be installed; PROFISAFE connection (control elements ordered separately)



General information	
Product type designation	Extension Unit 19" PROFIsafe
Control elements	
With parameterizable keys	Yes
Installation type/mounting	
Mounting	For mounting on a 16:9 HMI / IPC PRO device (lower part)
Mounting type	Screwed joint
Rack mounting	No
Front mounting	No
Number of slots for command devices and signaling units	10
RFID reader can be installed	Yes; SIMATIC RF200 Access Control Reader RF1060R
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	

Active power input, typ.  Active power input, typ.  3 W; Additionally 0.1 W per control element with LED  Interfaces  Number of industrial Ethernet interfaces  2; For the construction of lines and rings without external switch  Number of PROFINET interfaces  2; Incl. switch  Protocols  PROFIsafe  Yes: 1x SIL 2 (two-channel) or 2x SIL 3 (single-channel) emergency stop sensor  Fest commissioning functions  Key and signal lamp test  Yes; automatically when switching on  Pegree and class of protection  IP65 (all-round)  • Enclosure Type 4x at the front  Yes; All-round  Standards, approvals, certificates  CE mark  Yes  CL mark  Yes  CL us proval  Clus  Yes  RCM (formerly C-TICK)  Yes  Suitable for safely functions  Yes; e.g. installation of emergency stop  Ambient temperature during operation  • min.  • max.  Ambient temperature during storage/transportation  • min.  • max.  60 °C  Altitude during operation relating to sea level  • Installation altitude above sea level, max.  Poparation, max.  90 %; no condensation  Mechanics/material  Material  • Aluminum  Yes  Enclosure material (front)		
Active power input, typ.  ### Additionally 0.1 W per control element with LED  ### Ad	Current consumption (rated value)	150 mA; without load
Number of industrial Ethernet interfaces  Number of PROFINET interfaces  2; For the construction of lines and rings without external switch  Number of PROFINET interfaces  2; Incl. switch  Protocols  PROFISATE  Yes; 1x SIL 2 (two-channel) or 2x SIL 3 (single-channel) emergency stop sensor  Fest commissioning functions  Key and signal lamp test  Yes; automatically when switching on  Degree and class of protection  IP65 (all-round)  • Enclosure Type 4x at the front  Yes; All-round  Standards, approvals, certificates  CE mark  UL approval  CULus  Yes  RCM (formerly C-TICK)  Yes  RCM (formerly C-TICK)  Yes  Suitable for safety functions  Ambient conditions  Ambient emperature during operation  • min.  • po °C  Altitude during operation relating to sea level  • installation altitude above sea level, max.  60 °C  Altitude during operation relating to sea level  • installation altitude above sea level, max.  90 %; no condensation  Mocchanics/material  Material  • Aluminum  Yes  Enclosure material (front)	Power	
Number of industrial Ethernet interfaces  Number of PROFINET interfaces  2; Incl. switch  3; Incl. switch  2; Incl. switch  2; Incl. switch  2	Active power input, typ.	3 W; Additionally 0.1 W per control element with LED
Number of industrial Ethernet interfaces  Number of PROFINET interfaces  2; Incl. switch  3; Incl. switch  2; Incl. switch  2; Incl. switch  2	Interfaces	
Number of PROFINET interfaces 2; Incl. switch  Protocols  PROFIsafe Yes; 1x SIL 2 (two-channel) or 2x SIL 3 (single-channel) emergency stop sensor  Fest commissioning functions  Key and signal lamp test Yes; automatically when switching on  Pegrea and class of protection  IP65 (all-round) Yes  NEMA (front) • Enclosure Type 4x at the front Yes; All-round  Standards, approvals, certificates  CE mark Yes UL approval Ves CULus Yes CRM (formerly C-TICK) Yes Suitable for safety functions Yes; e.g. installation of emergency stop  Ambient temperature during operation • min. • max.  Ambient temperature during storage/transportation • min. • min. • max.  Ambient temperature during storage/transportation • min. • por C  Altitude during operation relating to sea level • Installation altitude above sea level, max.  80 °C  Altitude during operation relating to sea level • Operation, max.  Mechanics/material  Material • Aluminum  Yes  Enclosure material (front)		2: For the construction of lines and rings without external switch
Protocols  PROFisafe  PROFisafe  Yes; 1x SiL 2 (two-channel) or 2x SiL 3 (single-channel) emergency stop sensor  Fest commissioning functions  Key and signal lamp test  Yes; automatically when switching on  Degree and class of protection  IP65 (all-round)  • Enclosure Type 4x at the front  Standards, approvals, certificates  CE mark  Ves  UL approval  Ves  CULus  Yes  CULus  Yes  RCM (formerly C-TICK)  Yes  Suitable for safety functions  Ambient conditions  Ambient temperature during operation  • min.  • nin.  • min.  •		
PROFisafe Yes; 1x SIL 2 (two-channel) or 2x SIL 3 (single-channel) emergency stop sensor  Fest commissioning functions  Key and signal lamp test Yes; automatically when switching on  Degree and class of protection  IP65 (all-round) Yes  NEMA (front)  • Enclosure Type 4x at the front Yes; All-round  Standards, approvals, certificates  CE mark Yes  UL approval Yes  CULus Yes  RCM (formerly C-TICK) Yes  KK approval Yes  Suitable for safety functions Yes; e.g. installation of emergency stop  Ambient conditions  Ambient temperature during operation  • min.  • por C  Ambient temperature during storage/transportation  • min.  • min.  • min.  • 20 °C  Ambient temperature during operation relating to sea level  • Installation altitude above sea level, max.  80 °C  Altitude during operation relating to sea level  • Installation altitude above sea level, max.  90 %; no condensation  Mechanics/material  Material  • Aluminum  Yes  Enclosure material (front)		
rest commissioning functions  Key and signal lamp test  Ves; automatically when switching on  Degree and class of protection  IP65 (all-round)  NEMA (front)  • Enclosure Type 4x at the front  Standards, approvals, certificates  CE mark  Ves  UL approval  ves  CULus  Yes  RCM (formerly C-TICK)  Yes  RCM (formerly C-TICK)  Yes  Suitable for safety functions  Ambient temperature during operation  • min.  • min.  • max.  Ambient temperature during storage/transportation  • min.  • max.  Ambient temperature during storage/transportation  • min.  • min.  • 20 °C  • max.  Ambient temperature during storage/transportation  • min.  • prin.  • max.  Ambient temperature during storage/transportation  • min.  • prin.  • 20 °C  • max.  Ambient temperature during storage/transportation  • min.  • prin.  • p		Vacata CII O (tara abanya)) as 0 c OII O (sigala abanya))
Fest commissioning functions  Key and signal lamp test  Pegree and class of protection  IP65 (all-round)  NEMA (front)  Enclosure Type 4x at the front  Standards, approvals, certificates  CE mark  Ves  UL approval  Ves  RCM (formetly C-TICK)  Yes  Suitable for safety functions  Ambient conditions  Ambient temperature during operation  min.  max.  Max.  Max.  Allidude during operation relating to sea level  Installation altitude above sea level, max.  90 %; no condensation  Mechanics/material  Material  Alluminum  Yes  Enclosure material (front)	PROFIsate	
Key and signal lamp test  Pegree and class of protection  IP65 (all-round)  NEMA (front)  Enclosure Type 4x at the front  Standards, approvals, certificates  CE mark  UL approval  CEMENCH (front)  Yes  CULus  Yes  CULus  Yes  CKM (formerly C-TICK)  KC approval  Yes; e.g. installation of emergency stop  Ambient conditions  Ambient temperature during operation  min.  max.  So °C  Ambient temperature during storage/transportation  min.  min.  max.  60 °C  Ambient temperature during storage/transportation  min.  max.  Antitude during operation relating to sea level  installation altitude above sea level, max.  Relative humidity  Operation, max.  Material  Aluminum  Yes  Enclosure material (front)		emergency stop sensor
Degree and class of protection  IP65 (all-round)  NEMA (front)  Enclosure Type 4x at the front  Yes; All-round  Standards, approvals, certificates  CE mark  UL approval  Ves  CULus  Yes  RCM (formerly C-TiCK)  Yes  Suitable for safety functions  Ambient conditions  Ambient temperature during operation  min.  max.  Mabient temperature during storage/transportation  min.  max.  60 °C  Ambient temperature during storage/transportation  min.  max.  60 °C  Altitude during operation relating to sea level  Installation altitude above sea level, max.  90 %; no condensation  Mechanics/material  Material  Aluminum  Yes  Enclosure material (front)	Test commissioning functions	
P65 (all-round)   Yes	Key and signal lamp test	Yes; automatically when switching on
P65 (all-round)   Yes	Degree and class of protection	
* Enclosure Type 4x at the front  Yes; All-round  Standards, approvals, certificates  CE mark  Ves  UL approval  Yes  CULus  RCM (formerly C-TICK)  Yes  Suitable for safety functions  Ambient conditions  Ambient temperature during operation  * min.  * max.  * max.  Ambient temperature during storage/transportation  * min.  * max.  Ambient temperature during storage/transportation  * min.  * max.  * 60 °C  Altitude during operation relating to sea level  * Installation altitude above sea level, max.  * 2 000 m  Relative humidity  * Operation, max.  * Operation, max.  * Operation, max.  * Operation relating to sea level  * Aluminum  * Aluminum  * Yes  Enclosure material (front)		Yes
Standards, approvals, certificates  CE mark  UL approval  Ves  CULus  Yes  RCM (formerly C-TICK)  Yes  Suitable for safety functions  Ambient conditions  Ambient temperature during operation  • min. • max. • max.  Ambient temperature during storage/transportation  • min. • min. • max.  Ambient temperature during storage/transportation  • min. • max.  Ambient temperature during storage/transportation  • min. • max.  Ambient temperature during storage/transportation  • min. • max.  Altitude during operation relating to sea level • Installation altitude above sea level, max.  2 000 m  Relative humidity • Operation, max.  90 %; no condensation  Mechanics/material  Material • Aluminum  Yes  Enclosure material (front)	NEMA (front)	
CE mark Yes  UL approval Yes  CULus Yes  RCM (formerly C-TICK) Yes  KC approval Yes  Suitable for safety functions Yes; e.g. installation of emergency stop  Ambient conditions  Ambient temperature during operation  • min. • max. 50 °C  Ambient temperature during storage/transportation  • min. • max. 50 °C  Attitude during operation relating to sea level • Installation altitude above sea level, max. 2000 m  Relative humidity • Operation, max. 90 %; no condensation  Mechanics/material  Material • Aluminum  Yes  Enclosure material (front)	<ul> <li>Enclosure Type 4x at the front</li> </ul>	Yes; All-round
CE mark Yes  UL approval Yes  CULus Yes  RCM (formerly C-TICK) Yes  KC approval Yes  Suitable for safety functions Yes; e.g. installation of emergency stop  Ambient conditions  Ambient temperature during operation  • min. • max. 50 °C  Ambient temperature during storage/transportation  • min. • max. 50 °C  Attitude during operation relating to sea level • Installation altitude above sea level, max. 2000 m  Relative humidity • Operation, max. 90 %; no condensation  Mechanics/material  Material • Aluminum  Yes  Enclosure material (front)	Ctandarda annuariala antificatas	
UL approval CULus Yes RCM (formerly C-TICK) Yes KC approval Yes; e.g. installation of emergency stop  Ambient conditions  Ambient temperature during operation  • min. • max. 50 °C  Ambient temperature during storage/transportation  • min. • max.  60 °C  Altitude during operation relating to sea level • Installation altitude above sea level, max.  2 000 m  Relative humidity • Operation, max.  90 %; no condensation  Mechanics/material  Material • Aluminum  Finclosure material (front)		Yee
CULus  RCM (formerly C-TICK)  KC approval  Suitable for safety functions  Ambient conditions  Ambient temperature during operation  • min. • max.  50 °C  Ambient temperature during storage/transportation  • min. • max.  40 °C  Ambient temperature during storage/transportation  • min. • max.  40 °C  Altitude during operation relating to sea level • Installation altitude above sea level, max.  Relative humidity  • Operation, max.  90 %; no condensation  Material • Aluminum  Material • Aluminum  Find Suitable for safety functions  Yes  Yes  Tendosure material (front)		
RCM (formerly C-TICK)  KC approval  Suitable for safety functions  Ambient conditions  Ambient temperature during operation  • min. • max.  Ambient temperature during storage/transportation  • min. • max.  Ambient temperature during storage/transportation  • min. • max.  60 °C  Altitude during operation relating to sea level • Installation altitude above sea level, max.  Relative humidity • Operation, max.  Material • Aluminum  Enclosure material (front)		
KC approval Suitable for safety functions  Yes; e.g. installation of emergency stop  Ambient conditions  Ambient temperature during operation  • min. • max.  Ambient temperature during storage/transportation  • min. • min. • min. • max.  Altitude during operation relating to sea level • Installation altitude above sea level, max.  Relative humidity • Operation, max.  Material • Aluminum  Enclosure material (front)		
Suitable for safety functions  Ambient conditions  Ambient temperature during operation  • min. • max.  Ambient temperature during storage/transportation  • min. • min. • min. • max.  Altitude during operation relating to sea level • Installation altitude above sea level, max.  Poperation, max.  90 %; no condensation  Mechanics/material  Material • Aluminum  Enclosure material (front)		
Ambient temperature during operation  • min. • max.  50 °C  Ambient temperature during storage/transportation  • min. • min. • min. • -20 °C • max.  60 °C  Altitude during operation relating to sea level • Installation altitude above sea level, max.  2 000 m  Relative humidity • Operation, max.  90 %; no condensation  Mechanics/material  Material • Aluminum  Yes  Enclosure material (front)		Yes; e.g. installation of emergency stop
Ambient temperature during operation  • min. • max.  50 °C  Ambient temperature during storage/transportation  • min. • min. • min. • -20 °C • max.  60 °C  Altitude during operation relating to sea level • Installation altitude above sea level, max.  2 000 m  Relative humidity • Operation, max.  90 %; no condensation  Mechanics/material  Material • Aluminum  Yes  Enclosure material (front)	A 1	
<ul> <li>min.</li> <li>max.</li> <li>50 °C</li> <li>Ambient temperature during storage/transportation</li> <li>min.</li> <li>max.</li> <li>60 °C</li> <li>Altitude during operation relating to sea level</li> <li>Installation altitude above sea level, max.</li> <li>2 000 m</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>90 %; no condensation</li> </ul> Mechanics/material <ul> <li>Aluminum</li> <li>Yes</li> </ul> Enclosure material (front)		
<ul> <li>max.</li> <li>50 °C</li> <li>Ambient temperature during storage/transportation</li> <li>min.</li> <li>-20 °C</li> <li>max.</li> <li>60 °C</li> <li>Altitude during operation relating to sea level</li> <li>Installation altitude above sea level, max.</li> <li>2 000 m</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>90 %; no condensation</li> </ul> Mechanics/material <ul> <li>Aluminum</li> <li>Yes</li> </ul> Enclosure material (front)		0.00
Ambient temperature during storage/transportation  • min.  • max.  60 °C  Altitude during operation relating to sea level  • Installation altitude above sea level, max.  2 000 m  Relative humidity  • Operation, max.  90 %; no condensation  Mechanics/material  • Aluminum  Yes  Enclosure material (front)		
<ul> <li>min.</li> <li>max.</li> <li>60 °C</li> <li>Altitude during operation relating to sea level</li> <li>Installation altitude above sea level, max.</li> <li>2 000 m</li> <li>Relative humidity</li> <li>Operation, max.</li> <li>90 %; no condensation</li> <li>Mechanics/material</li> <li>Material <ul> <li>Aluminum</li> <li>Yes</li> </ul> </li> <li>Enclosure material (front)</li> </ul>		50 C
max.  Altitude during operation relating to sea level  Installation altitude above sea level, max.  Poperation, max.  Mechanics/material  Aluminum  Aluminum  Aluminum  Finclosure material (front)  60 °C  2 000 m  90 %; no condensation  Yes		20 °C
Altitude during operation relating to sea level  Installation altitude above sea level, max.  Relative humidity  Operation, max.  90 %; no condensation  Mechanics/material  Material  Aluminum  Yes  Enclosure material (front)		
Installation altitude above sea level, max.  Relative humidity  Operation, max.  90 %; no condensation  Mechanics/material  Material  Aluminum  Yes  Enclosure material (front)		
Relative humidity  • Operation, max.  90 %; no condensation  Mechanics/material  Material  • Aluminum  Yes  Enclosure material (front)		2 000 m
Operation, max.    90 %; no condensation	·	2 000 111
Mechanics/material  Material  • Aluminum  Enclosure material (front)  Yes	·	90 %: no condensation
Material  • Aluminum  Enclosure material (front)  Yes	э Ореганоп, тах.	
• Aluminum  Enclosure material (front)  Yes	Mechanics/material	
Enclosure material (front)	Material	
		Yes
Vac Vacalcout covered with black files	·	
■ Aluminum	Aluminum	Yes; Knockout covered with black film
Dimensions	Dimensions	

Width	462 mm
Height	99 mm
Depth	100.65 mm
Mainha	
Weights	
Weight without packaging	2.7 kg
Scope of supply	
Delivery quantity in pieces	1
Components included	Power supply connector
last modified:	06/12/2020