# SIEMENS

### Data sheet

#### 6GK1901-0DM40-2AA5

## product type designation

product description

suitability for use

#### IE M12 Panel Feedthrough 4x2

control cabinet feedthrough M12 (X-coded) / RJ45

IE M12 panel feedthrough 4x 2 control cabinet bushing to transition from M12 connection connection system (X-coded) IP65/67) to RJ45 connection system IP20 1 pack=5 units.

Control cabinet feedthrough for transition from M12 connector type (X-



transfer rate       10 Mbit/s, 100 Mbit/s, 10000 Mbit/s, 10000 Mbit/s         interfaces       number of electrical connections         • for network components or terminal equipment       1         type of electrical connection / FastConnect       M12 socket (X-coded) and RJ45         mechanical data       M12 socket (X-coded) and RJ45         mechanical data       M12 socket (X-coded) and RJ45         material / of the enclosure       metal         locking mechanism design       Screwed joint         locking mechanism design       Screwed joint         onnector coling / of the M12 circular connector       X         design, dimensions and weights       90° cable outlet         type of cable outlet       90° cable outlet         width       22 mm         height       29 mm         depth       46 mm         net weight       63 g         ambient conditions       -40 +85 °C         e during storage       40 +85 °C         • during storage       40 +85 °C         • to water       resistant         product feature       resistant         • to water       resistant         product feature       Yes         • Role feature       Yes         • to water </th <th></th> <th>coded, IP65/67) to RJ45 connector type (IP20)</th>		coded, IP65/67) to RJ45 connector type (IP20)	
interfaces           number of electrical connections           • for network components or terminal equipment           1           type of electrical connection           • for network components or terminal equipment           M12 socket (X-coded) and RJ45           type of electrical connection / FastConnect           No           mechanical data           material / of the enclosure           locking mechanism design           screwed joint           oble outlet           gone code outlet           width           2           tightening torque / for M12 round connector / maximum           0.6 N-m           connector coding / of the M12 circular connector           ype of cable outlet           width           290° cable outlet           width           29 mm           depth           46 mm           net weight           30 g           ambient conditions           ambient conditions           e during storage           • during storage           • low ater           product features           • low ater           ourung transport           •	transfer rate		
number of electrical connections       1         • for network components or terminal equipment       1         type of electrical connection       M12 socket (X-coded) and RJ45         wechanical data       M12 socket (X-coded) and RJ45         material / 0 the enclosure       metal         locking mechanism design       Screwed joint         tightening torque / for M12 round connector / maximum       0.6 N-m         connector coding / of the M12 circular connector       X         design, dimensions and weights       90° cable outlet         width       22 mm         height       46 mm         depth       63 g         ambient conditions       -+85 °C         • during operation       -40 +85 °C         • during transport      40 +85 °C         • ob weter       resistant	transfer rate / for Industrial Ethernet	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10000 Mbit/s	
• for network components or terminal equipment       1         type of electrical connection       M12 socket (X-coded) and RJ45         type of electrical connection / FastConnect       No         mechanical data       metal         material / of the enclosure       metal         locking mechanism design       Screwed joint         tightening torque / for M12 round connector / maximum       0.6 N-m         connector coding / of the M12 circular connector       X         design, dimensions and weights       90° cable outlet         type of cable outlet       20 mm         width       22 mm         height       29 mm         design, dimensions and weights       63 g         ambient conditions       -40 +85 °C         ambient temperature       -40 +85 °C         • during torage       -40 +85 °C	interfaces		
type of electrical connection       M12 socket (X-coded) and RJ45         type of electrical connection / FastConnect       No         mechanical data       metal         locking mechanism design       Screwed joint         tightening torque / for M12 round connector / maximum       0.6 N·m         connector coding / of the M12 circular connector       X         design, dimensions and weights       90° cable outlet         type of cable outlet       90° cable outlet         width       22 mm         height       29 mm         depth       46 mm         net weight       63 g         ambient temperature       -40 +85 °C         • during torage       -40 +85 °C         • bo water       resistant	number of electrical connections		
• for network components or terminal equipment type of electrical connection / FastConnect     M12 socket (X-coded) and RJ45       mechanical data     metal       locking mechanism design     Screwed joint       tightening torque / for M12 round connector / maximum connector coding / of the M12 circular connector     0.6 N-m       design, dimensions and weights     90° cable outlet       type of cable outlet     90° cable outlet       width     22 mm       height     63 g       ambient conditions     -40 +85 °C       ambient temperature     -40 +85 °C       • during storage     -40 +85 °C       • during transport     -40 +85 °C       • during torage     -40 +85 °C       • during torage     -40 +85 °C       • low water     resistant       protection class IP     IP65/67       product feature     Yes       • PoE capability     Yes       • Descapability     Yes       • Silicon-free     Yes       product component     Yes       • strain relief     Yes	<ul> <li>for network components or terminal equipment</li> </ul>	1	
type of electrical connection / FastConnect         No           mechanical data         metal           material / of the enclosure         metal           locking mechanism design         Screwed joint           tightening torque / for M12 round connector / maximum         0.6 N-m           connector coding / of the M12 circular connector         X           design, dimensions and weights         90° cable outlet           type of cable outlet         90° cable outlet           width         22 mm           height         29 mm           depth         46 mm           net weight         63 g           ambient conditions         ambient conditions           ambient conditions         -40 +85 °C           e during operation         -40 +85 °C           e during transport         -40 +85 °C           other conditions         -40 +85 °C           e during transport         -40 +85 °C           e features, product functions, product components / general         product features, product functions, product components / general           product feature         PoE capability         Yes           e stain relief         Yes           standards, specifications, approvals         Yes			
mechanical data         material / of the enclosure       metal         locking mechanism design       Screwed joint         tightening torque / for M12 cound connector / maximum       0.6 N·m         connector coding / of the M12 circular connector       X         design, dimensions and weights       90° cable outlet         type of cable outlet       90° cable outlet         width       22 mm         height       29 mm         depth       46 mm         net weight       63 g         ambient temperature       -40 +85 °C         • during operation       -40 +85 °C         • during transport       -40 +85 °C         • bwater       resistant         product features, product functions, product components / general         product feature       Yes         • PoE capability       Yes         • stain reli			
material / of the enclosure     metal       locking mechanism design     Screwed joint       locking mechanism design     Screwed joint       tightening torque / for M12 round connector / maximum     0.6 N·m       connector coding / of the M12 circular connector     X       design, dimensions and weights     90° cable outlet       type of cable outlet     90° cable outlet       width     22 mm       height     29 mm       depth     46 mm       net weight     63 g       ambient conditions     -40 +85 °C       ambient temperature     -40 +85 °C       • during torage     -40 +85 °C       • during transport     -40 +85 °C       • to water     resistant       product features, product functions, product components / general       product feature     PoE capability       • PoE capability     Yes       • silicon-free     Yes       • strain relief     Yes		No	
locking mechanism designScrewed jointtightening torque / for M12 round connector / maximum0.6 N·mconnector coding / of the M12 circular connectorXdesign, dimensions and weights90° cable outlettype of cable outlet90° cable outletwidth22 mmheight29 mmdepth46 mmnet weight63 gambient conditionsambient temperature• during operation-40 +85 °C• during storage-40 +85 °C• during storage-40 +85 °C• to waterresistantproduct features, product functions, product components / generalproduct feature-• PoE capabilityYes• PoE capabilityYes• strain reliefYesstandards, specifications, approvals	mechanical data		
tightening torque / for M12 round connector / maximum       0.6 N·m         connector coding / of the M12 circular connector       X         design, dimensions and weights       90° cable outlet         type of cable outlet       90° cable outlet         width       22 mm         height       29 mm         depth       46 mm         net weight       63 g         ambient temperature       -         • during operation       -40 +85 °C         • during storage       -40 +85 °C         • during transport       -40 +85 °C         • batter       resistant         product features       product features         • to water       resistant         product feature       -90E capability         • PoE capability       Yes         • poE+capability       Yes         • strain relief <td< td=""><td></td><td></td></td<>			
connector coding / of the M12 circular connector       X         design, dimensions and weights       90° cable outlet         type of cable outlet       90° cable outlet         width       22 mm         height       29 mm         depth       46 mm         net weight       63 g         ambient conditions       3 g         ambient temperature       -40 +85 °C         • during operation       -40 +85 °C         • during transport       -40 +85 °C         • to water       resistant         protection class IP       IP65/67         product feature       PoE capability         • PoE capability       Yes         • PoE+capability       Yes         • product component       Yes         • sitain relief       Yes         standards, specifications, approvals       Yes			
design, dimensions and weights         type of cable outlet         width       22 mm         height       29 mm         depth       46 mm         net weight       63 g         ambient conditions         ambient temperature         • during operation         - during storage         - during transport         - during transport         - to water         protection class IP         product feature         • PoE capability         • PoE capability         Yes         • poet-capability         • strain relief         Yes         standards, specifications, approvals			
type of cable outlet       90° cable outlet         width       22 mm         height       29 mm         depth       46 mm         net weight       63 g         ambient conditions         ambient temperature         • during storage       -40 +85 °C         • during storage       -40 +85 °C         • during transport       -40 +85 °C         protection class IP       IP65/67         product feature       IP65/67         product feature       Yes         • POE capability       Yes         • silicon-free       Yes         product component       Yes         • strain relief       Yes	-	X	
width22 mmheight29 mmdepth46 mmnet weight63 gambient conditionsambient temperature-40 +85 °C• during operation-40 +85 °C• during storage-40 +85 °C• during transport-40 +85 °C• to waterresistantproduct features, product functions, product components / generalproduct featureYes• POE capabilityYes• Silicon-freeYesproduct componentYes• strain reliefYesstrain reliefYesstandards, specifications, approvals			
height29 mmdepth46 mmnet weight63 gambient conditionsambient temperature• during operation-40 +85 °C• during storage-40 +85 °C• during storage-40 +85 °C• during transport-40 +85 °C• to waterresistantproduct features, product functions, product components / generalproduct feature			
depth net weight46 mmambient conditionsambient temperature • during operation-40 +85 °C • 40 +85 °C • during storage-40 +85 °C • during transport-40 +85 °C • 40 +85 °C 			
net weight       63 g         ambient conditions	5		
ambient conditions         ambient temperature         • during operation         • during storage         • during transport         • during transport         • during transport         • during transport         • to water         protection class IP         IP65/67         product features, product functions, product components / general         product feature         • PoE capability         Yes         • silicon-free         product component         • strain relief         Yes	•		
ambient temperature       -40 +85 °C         • during operation       -40 +85 °C         • during storage       -40 +85 °C         • during transport       -40 +85 °C         • during transport       -40 +85 °C         • chemical resistance       -40 +85 °C         • to water       resistant         protection class IP       IP65/67         product features, product functions, product components / general         product feature       • PoE capability         • PoE capability       Yes         • silicon-free       Yes         product component       -         • strain relief       Yes         standards, specifications, approvals       Yes	-	63 g	
• during operation-40 +85 °C• during storage-40 +85 °C• during transport-40 +85 °C• during transport-40 +85 °C• to waterresistant• to waterresistantprotection class IPIP65/67product features, product functions, product components / generalproduct featureYes• PoE capabilityYes• boE capabilityYes• silicon-freeYesproduct componentYesstanin reliefYesstandards, specifications, approvals	ambient conditions		
• during storage       -40 +85 °C         • during transport       -40 +85 °C         • chemical resistance       -40 +85 °C         • to water       resistant         protection class IP       IP65/67         product features, product functions, product components / general         product feature       Yes         • PoE capability       Yes         • silicon-free       Yes         product component       Yes         • strain relief       Yes         standards, specifications, approvals       Yes	•		
• during transport       -40 +85 °C         • chemical resistance       -         • to water       resistant         protection class IP       IP65/67         product features, product functions, product components / general         product feature       -         • PoE capability       Yes         • PoE+capability       Yes         • silicon-free       Yes         product component       -         • strain relief       Yes			
chemical resistance <ul> <li>to water</li> <li>resistant</li> <li>protection class IP</li> </ul> IP65/67 product features, product functions, product components / general product feature <ul> <li>PoE capability</li> <li>PoE+capability</li> <li>silicon-free</li> <li>product component</li> <li>strain relief</li> <li>Yes</li> </ul> standards, specifications, approvals			
to water resistant protection class IP IP65/67  product features, product functions, product components / general  product feature     PoE capability Yes     PoE+capability Yes     silicon-free Yes product component     e strain relief Yes  standards, specifications, approvals		-40 +85 °C	
protection class IP       IP65/67         product features, product functions, product components / general         product feature         • PoE capability       Yes         • PoE+capability       Yes         • silicon-free       Yes         product component       Yes         • strain relief       Yes         standards, specifications, approvals			
product features, product functions, product components / general         product feature         • PoE capability         • PoE+capability         • Silicon-free         product component         • strain relief         Yes         standards, specifications, approvals			
product feature       Yes         • PoE capability       Yes         • PoE+capability       Yes         • silicon-free       Yes         product component       Yes         • strain relief       Yes         standards, specifications, approvals       Yes			
• PoE capability     Yes       • PoE+capability     Yes       • silicon-free     Yes       • product component     Yes       • strain relief     Yes   Standards, specifications, approvals		/ general	
PoE+capability Yes     silicon-free Yes product component     o strain relief Yes  standards, specifications, approvals			
product component • strain relief Yes standards, specifications, approvals			
• strain relief Yes standards, specifications, approvals			
standards, specifications, approvals		Vec	

<ul> <li>RoHS conformity</li> </ul>	Yes
UL approval	Yes
<ul> <li>cULus approval</li> </ul>	Yes
<ul> <li>railway application in accordance with EN 50155</li> </ul>	No
standard for structured cabling	Cat6A
further information / internet-Links	
Internet-Link	
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net
<ul> <li>to website: Industry Mall</li> </ul>	https://mall.industry.siemens.com
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter
<ul> <li>to website: Selection guide for cables and connectors</li> </ul>	https://sie.ag/2QdlxcP
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
<ul> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/cax
<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com

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