SIEMENS

Product data sheet

5SL6420-7



Similar to image

Technical data:					
Current / for AC / rated value	А	20			
Tripping characteristic class		С			
type of voltage		AC/DC			
Supply voltage					
• for AC / rated value	V	400			
• with multi-phase operation / with AC / rated value	V	400			
Operating voltage					
• minimum	V	24			
• with multi-phase operation / with AC / maximum	V	440			
for DC / rated value / maximum	V	60			
Supply voltage frequency / rated value	Hz	50			
Number of poles		4			
Number of poles /note		4P			
Switching capacity current					
• in accordance with IEC 60947-2 / rated value	kA	6			
acc. to EN 60898 / rated value	kA	6			
Number of pitch units for width		4			
Product extension / can be installed / supplementary device		Yes			

CIRCUIT BREAKER 400V 6KA, 4POLE, C, 20A

Built in orientationInvestmentProtection class IPICOIPO with connected conductorsDegree of pollutionICO2Ambient temperatureICO-2•minimumICO45•minimumICO40Influence of the surrounding temperatureICO-0•minimumICO	Product feature / sealable		Yes
Degree of pollutionIdentify a second sec	Built in orientation		any
Ambient temperature "C 25 • minimum "C 45 Influence of the surrounding temperature "C 45 Ambient temperature / during storage "C -40 • minimum "C 75 • maximum "C 400 Product equipment / touch-protection Imbuent equipment / touch-protection V • with multi-phase operation / with AC / rated value V 440 • solid "C -75 • maximum mma 0.75 • multi-phase operation / with AC / rated value V 440 • solid "mma 0.75 • maximum mma* 0.75 <td>Protection class IP</td> <td></td> <td>IP20, with connected conductors</td>	Protection class IP		IP20, with connected conductors
minimum°C25maximum°C45Influence of the surrounding temperatureImage: Product equipment during storageProduct equipment / during storageminimum°C40maximum°C75Mechanical operating cycles as operating time / typicalImage: Product equipment / touch-protectionImage: Product equipment / touch-protectionInsulation voltageImage: Product equipment / touch-protectionImage: Product equipment / touch-protectionImage: Product equipment / touch-protectionInsulation voltageImage: Product equipment / touch-protectionImage: Product equipment / touch-protectionImage: Product equipment / touch-protectionInsulation voltageImage: Product equipment / touch-protectionImage: Product equipment / touch-protectionImage: Product equipment / touch-protectionInsulation voltageImage: Product equipment / touch-protectionImage: Product equipment / touch-protectionImage: Product equipment / touch-protectionInsulation voltageImage: Product equipment / touch-protectionImage: Product equipment / touch-protectionImage: Product equipment eq	Degree of pollution		2
• naximum°C45Infleence of the surrounding temperaturePeriodically +55°C, max. 95% humidityAmbient temperature / during storage-• minimum°C-40• maximum°C75Mechanical operating tycles as operating time / typical0000Product equipment / touch-protectionInsulation voltage• with multi-phase operation / with AC / rated valueV440Section de conducteur raccordableV440• solidImm ² 0.75• minimummm ² 0.75• multibrinmm ² 0.75• minimummm ² 0.75• inninimummm ² 0.75• inninimumMi ² 0.75 </td <td>Ambient temperature</td> <td></td> <td></td>	Ambient temperature		
Influence of the surrounding temperature Influence of the surrounding temperature Periodically +55°C, max. 95% humidity Ambient temperature / during storage -40 -40 • minimum °C 75 Mechanical operating cycles as operating time / typical 20,000 Periodically +55°C, max. 95% humidity Product equipment / touch-protection 0°C 75 Insulation voltage V 440 • with multi-phase operation / with AC / rated value V 440 • solid mm² 0.75 • minimum mm² 0.75 • maximum mm² 0.75 • multi-brin mm² 0.75 • minimum Mm² 0.75 </td <td>• minimum</td> <td>°C</td> <td>-25</td>	• minimum	°C	-25
Ambient temperature / during storage -40 •minimum °C -40 •maximum °C 75 Mechanical operating cycles as operating time / typical 20.000 Product equipment / touch-protection Ves Insulation voltage ves •with multi-phase operation / with AC / rated value V 40 Section de conducteur raccordable V 40 •solid mm² 0.75 •minimum mm² 35 •multibrin mm² 35 •minimum mm² 0.75 •maximum mm² 35 •minimum mm² 35 •minimum mm² 35 •minimum mm² 35 •minimum mm² 25 •minimum mm² 35 •minimum Mm² 35 •minimum Mm² 35 •minimum Mm² 25 •minimum Nm 35 •minimum Nm<	• maximum	°C	45
• minimum°C40• maximum°C75Mechanical operating cycles as operating time / typical0.000Product equipment / touch-protectionVYesIsulation voltageV440• with multi-phase operation / with AC / rated valueV440Section de conducteur raccordableV450• solidmm³0.75• maximummm³0.75• multibrinmm³0.75• multibrinmm³0.75• maximummm³0.75• minimummm³0.75• minimum0.75• minimum <td>Influence of the surrounding temperature</td> <td></td> <td>Periodically +55°C, max. 95% humidity</td>	Influence of the surrounding temperature		Periodically +55°C, max. 95% humidity
· maximum°C5Mechanical operating cycles as operating time / typical20,000Product equipmen / touch-protectionIYesInsulation voltageV440· with multi-phase operation / with AC / rated valueV440Section de conducteur raccordableV440· solidV5· minimumMm²0.75· maximumMm²35· multibrinMm²35· minimummm²35· minimummm²35· minimummm²35· minimummm²25Tightening torque / with screw-type terminalsMm²25· minimumN-M33· minimumN-M3· not supplied - silicon-free]Yes· halogen-freeYes· halogen-freeYes	Ambient temperature / during storage		
Mechanical operating cycles as operating time / typical 20,000 Product equipment / touch-protection Yes Insulation voltage V 440 • with multi-phase operation / with AC / rated value V 440 Section de conducteur raccordable V 440 • solid mm ² 0.75 • maximum mm ² 35 • minimum mm ² 0.75 • maximum mm ² 0.75 • maximum mm ² 0.75 • maximum mm ² 0.75 • minimum mm ² 0.75 • maximum S S • maximum N 3 • maximum S	• minimum	°C	-40
Product equipment / touch-protection Yes Insulation voltage V • with multi-phase operation / with AC / rated value V Section de conducteur raccordable V • solid mm² • solid mm² • minimum mm² • maximum mm² • minimum mm² • finely stranded / with wire end processing mm² • minimum mm² 25 Tightening torque / with screw-type terminals	• maximum	°C	75
Insulation voltage V 440 • with multi-phase operation / with AC / rated value V 440 Section de conducteur raccordable - - • solid mm² 0.75 • maximum mm² 35 • multibrin mm² 0.75 • maximum mm² 35 • minimum mm² 35 • finely stranded / with wire end processing - • finely stranded / with wire end processing - - • minimum mm² 25 Tightening torque / with screw-type terminals - - • minimum N·m 3 - • innimum N·m 3 - • finely stranded / with screw-type terminals - - • innimum N·m 3.5 - • innimum N·m 3 - • innimum N·m 3 - • innimum Yes - - • innimum Yes - - • innimum - - - <t< td=""><td>Mechanical operating cycles as operating time / typical</td><td></td><td>20,000</td></t<>	Mechanical operating cycles as operating time / typical		20,000
• with multi-phase operation / with AC / rated valueV440Section de conducteur raccordable//• solid• solidmm²0.75• maximummm²35• multibrin• minimummm²0.75• maximummm²35• minimummm²35• finely stranded / with wire end processing• minimummm²0.75• minimummm²35• minimummm²35• minimummm²0.75• minimummm²0.75• minimummm²35• minimumMm²0.75• minimumMin²0.75• minimumMin²0.75• minimumMin²0.75• minimumMin²0.75• minimumMin²0.75 </td <td>Product equipment / touch-protection</td> <td></td> <td>Yes</td>	Product equipment / touch-protection		Yes
Section de conducteur raccordable Image: Solid • solid mm² • minimum mm² • maximum mm² • multibrin mm² • minimum mm² • finely stranded / with wire end processing mm² • minimum mm² • maximum mm² • minimum mm² • minimum Mm² • minimum Mm² • maximum Mm² • maximum Mm² • maximum Mm² • maximum N·m • maximum Yes • maximum Yes • Inot supplied - silicon-free] Yes • halogen-free Fo • Yes	Insulation voltage		
• solidImmediateImmediate• minimummmediate0.75• maximummmediate35• multibrinmmediate0.75• minimummmediate35• minimummmediate35• finely stranded / with wire end processingmmediate35• minimummmediate0.75• minimummmediate0.75• minimummmediate25• Tightening torque / with screw-type terminalsN-m2.5• maximumN-m3.0• maximumN-m3.0• product featureN-m3.0• [not supplied - silicon-free]ImmediateYes• halogen-freeYesYes• Number of test cycles / for environmental testing / immediate66	• with multi-phase operation / with AC / rated value	V	440
· minimummm20.75· maximummm235· multibrin· minimummm20.75· maximummm20.75· maximummm235· finely stranded / with wire end processing· minimummm20.75· minimummm20.75· minimummm20.75· maximummm20.75· maximummm20.75· minimummm20.75· minimummm20.75· minimumMm20.75· minimumMm20.75· maximumMm20.75· maximumMm20.75· minimumMm20.75· minimumMm20.75· maximumMm20.75· maximumMm20	Section de conducteur raccordable		
• maximumfmm²35• multibrinmm²0.75• minimummm²0.75• maximummm²35• finely stranded / with wire end processing• minimummm²0.75• minimummm²0.75• maximummm²25• minimumN·m2.5• minimumN·m3• maximumN·m3• Product featureIVes• Inot supplied - silicon-free]IYes• halogen-freeISeNumber of test cycles / for environmental testing / inI6	• solid		
• multibrinImmediateImmediate• minimummm235• finely stranded / with wire end processing• minimummm20.75• minimummm225Tightening torque / with screw-type terminals• minimumN·m2.5• maximumN·m3• notice featureN·m3• finot supplied - silicon-free]-Yes• halogen-freeYes-Number of test cycles / for environmental testing / in6	• minimum	mm²	0.75
• minimumMm20.75• maximumMm235• finely stranded / with wire end processingMm20.75• minimumMm20.75• maximumMm225Tightening torque / with screw-type terminalsN·m2.5• minimumN·m3• maximumN·m3• maximumN·m4• notice featureN·m3• [not supplied - silicon-free]SYes• halogen-freeYesYesNumber of test cycles / for environmental testing / in6	• maximum	mm²	35
• maximummm²35• finely stranded / with wire end processingmm²0.75• minimummm²0.75• maximummm²25Tightening torque / with screw-type terminalsMm²2.5• minimumN·m2.5• maximumN·m3• motic teatureN·m3• [not supplied - silicon-free]Yes• halogen-freeYesNumber of test cycles / for environmental testing / in6	• multibrin		
• finely stranded / with wire end processingImm2Imm20.75• maximummm20.75• maximummm225Tightening torque / with screw-type terminalsN·m2.5• minimumN·m3• maximumN·m3Product featureImm2Yes• halogen-freeYesYesNumber of test cycles / for environmental testing / in6	• minimum	mm²	0.75
• minimumnm20.75• maximumnm225Tightening torque / with screw-type terminals-• minimumN·m2.5• maximumN·m3• product featureN·m3• [not supplied - silicon-free]IYes• halogen-freeYesNumber of test cycles / for environmental testing / in6	• maximum	mm²	35
• maximummm²25Tightening torque / with screw-type terminals• minimumN·m2.5• maximumN·m3Product feature• [not supplied - silicon-free]Yes• halogen-freeYesNumber of test cycles / for environmental testing / in6	 finely stranded / with wire end processing 		
Tightening torque / with screw-type terminalsN-m2.5• minimumN-m3• maximumN-m3Product featureImmediate the silicon-free]Yes• halogen-freeYesYesNumber of test cycles / for environmental testing / in6	• minimum	mm²	0.75
• minimumN·m2.5• maximumN·m3Product feature-• [not supplied - silicon-free]Yes• halogen-freeYesYesNumber of test cycles / for environmental testing / in6	• maximum	mm²	25
• maximumN·m3Product feature• [not supplied - silicon-free]-Yes• halogen-free-YesNumber of test cycles / for environmental testing / in6	Tightening torque / with screw-type terminals		
Product feature Yes • [not supplied - silicon-free] Yes • halogen-free Yes Number of test cycles / for environmental testing / in 6	• minimum	N∙m	2.5
 [not supplied - silicon-free] halogen-free Yes Yes Yes 6 	• maximum	N·m	3
halogen-free Yes Number of test cycles / for environmental testing / in 6	Product feature		
Number of test cycles / for environmental testing / in 6	 [not supplied - silicon-free] 		Yes
	halogen-free		Yes
	Number of test cycles / for environmental testing / in accordance with IEC 60068-2-30		6

Certificates/approvals:							
General Produ	ict Approval		Declaration of Conformity	other			
CEBEC	ROSTEST		Manufacturer	other			

VDE

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Further information:
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Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/lowvoltage/catalogs

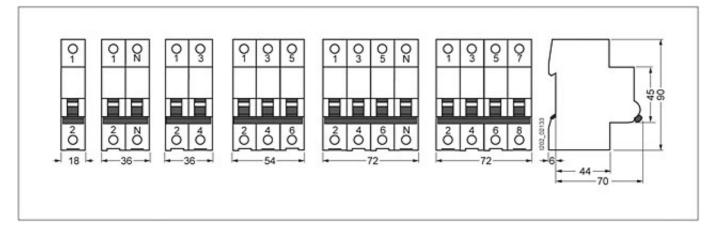
Industry Mall (Online ordering system) http://www.siemens.com/lowvoltage/mall

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/5SL6420-7/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SL6420-7

CAx-Online-Generator

http://www.siemens.com/cax



last change:

Dec 10, 2011