



ATyS g M 4P - set (40 A, 230/400 V AC)

- ATyS g M are 2 pole and 4 pole modular automatic transfer switches with an integrated controller.
- Their primary function is to switch between the main and backup supply in case of power failure. They work in automatic mode, if necessary the devices can be switched manually.
- They are designed for low voltage power supply systems with a maximum current of 40 to 160 A for applications where a brief interruption of the load supply is acceptable during transfer.
- They allow the setting of overvoltage, undervoltage and frequency thresholds.
- They are set using potentioneters and microswitches on the front of the product. In addition, they are equipped with a switching contact for generator control.
- ATyS g M the set consists of the basic ATyS g M device, terminal shrouds, auxiliary contacts and bridging bar. The set therefore contains all necessary accessories for the selected model.

Designed for power supply systems 230/400 V AC Number of poles I 320/400 V AC Rated load current IL 40 A Frequency I 500 + 60 Hz Power consumption P 6 VA Supply voltage range IP 6 VA Supply voltage range Ump 6 KV Switching time I-0 or II-0 IP 45 ms Switching time I-11 or II-1 IP 10 000 Changing settings Using potentiometers and switches Equipped with display No display No display Recommended cross-section of connected conductors S 10 + 70 mm² Operating temperature 9 -20 ÷ 60 °C Recommended back-up fuse 40 A/gG 15 Nm Operating position TO mm² Any Tigtening moment IP 5 Nm Designed according to standards IPC 60947-3:2008 Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch- disconnectors and fuse- combination units IPC 60947-6-1:2005 Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipment IPC 60947-6-1:2005	Туре		ATyS g M 4P - set (40 A, 230/400 V AC)
Rated load currentIL40 AFrequencyf50 + 60 HzPower consumptionP6 VASupply voltage rangeP6 VASupply voltage rangeUimp6 kVRated impulse withstand voltageUimp6 kVSwitching time I-0 or II-0C180 msSwitching time I-11 or II-1T180 msLifetime (number of changeovers)G100 000Changing settingsUsing potentiometers and switchesEquipped with displayS10 + 70 mm²Recommended cross-section of connected conductorsS10 + 70 mm²Operating temperature9-20 + 60 °CRecommended back-up fuse-40 A/gG10 pt - 20 + 60 °CInstallationG5 NmOperating positionAny5 NmTightening momentJ5 NmDesigned according to standardsS10 EC 60947-3:2008Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsIEC 60947-6:1:2005Low-voltage switchgear and controlgear - Part 6: Multiple function equipment - Transfer switching equipmentIEC 60947-6:1:2005Application standards-IEC 60947-6:1:2005	Designed for power supply systems		230/400 V AC
Frequencyf50 ÷ 60 HzPower consumptionP6 VASupply voltage rangeII176 ÷ 288 VRated impulse withstand voltageUimp6 kVSwitching time 1-0 or 11-0III180 msSwitching time 1-11 or 11-1IIII on 00010000Changing settingsUsing potentiometers and switchesEquipped with displayIIIII on 000No displayRecommended cross-section of connected conductorsS10 ÷ 70 mm²Operating temperature9-20 ÷ 60 °CRecommended back-up fuse40 Å/gGInstallationOn DIN rail 35 mm, On the mounting plateOperating positionAnyTightening momentIIIC 60947-3:2008Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipmentIIIC 60947-6-1:2005Application standardsIIIC 60947-6-1:2005	Number of poles		4
Power consumptionP6 VASupply voltage rangeII176 ÷ 288 VRated impulse withstand voltageUimp6 kVSwitching time 1-0 or II-0III180 msSwitching time 1-II or II-1IIII180 msLifetime (number of changeovers)IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Rated load current	IL.	40 A
Supply voltage rangeImage: Supply voltageImage: Supply voltageIma	Frequency	f	50 ÷ 60 Hz
Charge ratioCharge ratioRated impulse withstand voltageUimp6 kVSwitching time I-0 or II-0180 msSwitching time I-11 or II-1180 msLifetime (number of changeovers)010 000Changing settingsUsing potentiometers and switchesEquipped with display0No displayRecommended cross-section of connected conductorsS10 + 70 mm²Operating temperature9-20 ÷ 60 °CRecommended back-up fuse40 A/gGInstallation0n DIN rail 35 mm, On the mounting plateOperating positionAnyTightening moment5 NmDesigned according to standardsIEC 60947-3:2008Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipmentIEC 60947-6-1:2005Application standardsIEC 60947-6-1:2005	Power consumption	Р	6 VA
Switching time I-0 or II-045 msSwitching time I-II or II-1180 msLifetime (number of changeovers)10 000Changing settingsUsing potentiometers and switchesEquipped with displayNo displayRecommended cross-section of connected conductorsS10 ÷ 70 mm²Operating temperature9-20 ÷ 60 °CRecommended back-up fuse40 Å/gGInstallationOn DIN rail 35 mm, On the mounting plateOperating positionAnyTightening moment5 NmDesigned according to standardsLow-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsIEC 60947-3:2008Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipmentIEC 60947-6-1:2005Application standardsIEC 60947-6-1:2005	Supply voltage range		176 ÷ 288 V
Switching ime I-II or II-I180 msLifetime (number of changeovers)I10 000Changing settingsUsing potentiometers and switchesEquipped with displayINo displayRecommended cross-section of connected conductorsS10 ÷ 70 mm²Operating temperature9-20 ÷ 60 °CRecommended back-up fuseI40 A/gGInstallationIOn DIN rail 35 mm, On the mounting plateOperating positionIAnyTightening momentS15 NmDesigned according to standardsIEC 60947-3:2008Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsIEC 60947-6-1:2005Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipmentIEC 60947-6-1:2005Application standardsIIEC 60947-6-1:2005	Rated impulse withstand voltage	U_{imp}	6 kV
Lifetime (number of changeovers) 10 000 Changing settings Using potentiometers and switches Equipped with display No display Recommended cross-section of connected conductors S 10 + 70 mm ² Operating temperature 9 9 -20 ÷ 60 °C Recommended back-up fuse 40 A/gG Installation 0 nDIN rail 35 mm, On the mounting plate Operating position Any Tightening moment 5 Nm Designed according to standards Low-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination units Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment – Transfer switching equipment Application standards	Switching time I-0 or II-0		45 ms
Changing settingsUsing potentiometers and switchesEquipped with displayNo displayRecommended cross-section of connected conductorsS10 ÷ 70 mm²Operating temperature9-20 ÷ 60 °CRecommended back-up fuse40 A/gGInstallationOn DIN rail 35 mm, On the mounting plateOperating positionAnyTightening moment5 NmDesigned according to standardsLow-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsIEC 60947-3:2008Low-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipmentIEC 60947-6-1:2005Application standardsJEC 60947-6-1:2005	Switching time I-II or II-I		180 ms
Equipped with displayNo displayRecommended cross-section of connected conductorsS10 ÷ 70 mm²Operating temperatureØ-20 ÷ 60 °CRecommended back-up fuse40 A/gGInstallationOn DIN rail 35 mm, On the mounting plateOperating positionAnyTightening moment5 NmDesigned according to standardsLow-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsLow-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipmentIEC 60947-6-1:2005Application standardsLow-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipmentIEC 60947-6-1:2005	Lifetime (number of changeovers)		10 000
Recommended cross-section of connected conductorsS10 ÷ 70 mm²Operating temperature9-20 ÷ 60 °CRecommended back-up fuse40 A/gGInstallationOn DIN rail 35 mm, On the mounting plateOperating positionAnyTightening moment5 NmDesigned according to standardsLow-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsLow-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipmentIEC 60947-6-1:2005Application standardsLow-voltage Switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipmentIEC 60947-6-1:2005	Changing settings		Using potentiometers and switches
Operating temperatureθ-20 ÷ 60 °CRecommended back-up fuse40 A/gGInstallationOn DIN rail 35 mm, On the mounting plateOperating positionAnyTightening moment5 NmDesigned according to standardsLow-voltage switchgear and controlgear - Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsLow-voltage switchgear and controlgear - Part 6-1: Multiple function equipment - Transfer switching equipmentIEC 60947-6-1:2005Application standardsIEC 60947-6-1:2005	Equipped with display		No display
Recommended back-up fuse40 A/gGInstallationOn DIN rail 35 mm, On the mounting plateOperating positionAnyTightening moment5 NmDesigned according to standardsIEC 60947-3:2008Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsIEC 60947-3:2008Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipmentIEC 60947-6-1:2005Application standardsIEC 60947-6-1:2005	Recommended cross-section of connected conductors	S	$10 \div 70 \text{ mm}^2$
InstallationOn DIN rail 35 mm, On the mounting plateOperating positionAnyTightening moment5 NmDesigned according to standardsIEC 60947-3:2008Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsIEC 60947-3:2008Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipmentIEC 60947-6-1:2005Application standardsIEC 60947-6-1:2005	Operating temperature	θ	-20 ÷ 60 °C
Operating positionAnyTightening moment5 NmDesigned according to standards5 NmLow-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsIEC 60947-3:2008Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipmentIEC 60947-6-1:2005Application standards4	Recommended back-up fuse		40 A/gG
Tightening moment5 NmDesigned according to standardsLow-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination unitsIEC 60947-3:2008Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipmentIEC 60947-6-1:2005Application standardsJEC 60947-6-1:2005	Installation		On DIN rail 35 mm, On the mounting plate
Designed according to standards Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch- disconnectors and fuse-combination units IEC 60947-3:2008 Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipment IEC 60947-6-1:2005 Application standards Vertical and control standards	Operating position		Any
Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch- IEC 60947-3:2008 disconnectors and fuse-combination units IEC 60947-6-1:2005 Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – IEC 60947-6-1:2005 Transfer switching equipment Application standards	Tightening moment		5 Nm
disconnectors and fuse-combination units Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipment Application standards	Designed according to standards		
Transfer switching equipment Application standards			IEC 60947-3:2008
			IEC 60947-6-1:2005
Law veltage electrical installations Medical leasting	Application standards		
Low-voltage electrical installations - Medical locations HD 60364-7-710:2012	Low-voltage electrical installations – Medical locations		HD 60364-7-710:2012



Ordering, packaging and additional data

Mass	m	4.957 kg
Customs tariff no.		85365080
EAN code		8590681187760
Art. number		70 711



The link in the QR code leads to the online presentation of the ATyS g M 4P - set (40 A, 230/400 V AC).

There, in addition to the always up-to-date data sheet, you will also find all diagrams and drawings, declarations of conformity, or 2D or 3D models and other necessary materials. For more information, visit **www.hakel.com**





Application wiring diagram (installation) 1/1

