# **DATASHEET - PXS24-PCH**



### Placeholder for PXS24 series with no electrical function

Part no. PXS24-PCH Catalog No. PXS24ACC0000



## **Delivery program**

Basic function	Automation engineering 24V	
Protection	none	

### **Technical data**

#### **Electrical**

Lioution			
Operational voltage	$U_{B}$		24 DC (16 30V DC)
Mechanical			
Width		mm	17.5
Depth		mm	119.2
Terminals			
Terminal capacity		mm²	2.5 (flexible with ferrules) 4 (rigid)
Busbars			none
Mounting			snap-fit on mounting rail TH35 (EN 60715)
Text field		mm	17,5 x 6
Ambient temperature		°C	-30 - +55
Permissible storage and transport temperatures		°C	-40 - +100
Base dimension		mm	92.5

# **Design verification as per IEC/EN 61439**

EC/EN 61439 design verification	
10.2 Strength of materials and parts	
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9 Insulation properties	
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.

## **Technical data ETIM 7.0**

Relays (EG000019) / Current monit	oring relay (EC001440)
-----------------------------------	------------------------

Electric engineering, automation, process control engineering / Low-voltage switch technology / Monitoring equipment (low-voltage switch technology) / Current monitoring equipment (low-voltage switch technology) / Curre

With detachable clamps Single-phase under current possible Three-phase under current possible Single-phase over current possible No Charles Single-phase over current possible Single-phase hysteresis possible No Contains function DC-voltage under current Contains function DC-voltage over current Function DC-voltage over current Function DC-voltage over current V v v v v v v v v v v v v v v v v v v v	(ecl@ss10.0.1-27-37-18-02 [AKF096014])			
Single-phase under current possible  Three-phase vor current possible  No  Three-phase over current possible  No  Contains function DC-voltage under current  Contains function DC-voltage under current  Function DC-voltage under current  Function DC-voltage over current  Function DC-current hysteresis  No  Rated control supply voltage over current  Function DC-current possible  No  Rated control supply voltage Us at AC 50HZ  Rated control supply voltage Us at AC 50HZ  Rated control supply voltage Us at AC 60HZ  No  Current measurement range  A 0-0  Current measurement range  Min. adjustable delay-on energization time  Nax. permitted delay-on energization time  Nax. permitted deff-delay time  Nax. permitted off-delay time  Nax.	Type of electric connection			Plug-in connection
Three-phase under current possible Single-phase over current possible Three-phase over current possible Three-phase hysteresis possible Single-phase hysteresis possible Three-phase hysteresis possible Contains function DC-voltage under current Contains function DC-voltage under current Contains function DC-voltage over current Ves Function DC-current hysteresis Rated control supply voltage Us at AC 50HZ Rated	With detachable clamps			No
Single-phase over current possible Three-phase over current possible Single-phase hysteresis possible No Contains function DC-voltage under current Contains function DC-voltage under current Contains function DC-voltage over current V Contains function DC-voltage over current V Contains function DC-voltage under current V Contains function DC-voltage over current V Contains function DC-voltage over current V V 0 - 0 Rated control supply voltage Us at AC 50HZ V V 0 - 0 Rated control supply voltage Us at AC 60HZ V V Voltage type for actuating C Current measurement range A Min. adjustable delay-on energization time Max. permitted delay-on energization time Max. permitted delay-on energization time Max. permitted def-delay time V Max. permitted off-delay time	Single-phase under current possible			No
Three-phase over current possible Single-phase hysteresis possible Contains function DC-voltage under current Contains function DC-voltage under current Contains function DC-voltage over current Function DC-current hysteresis Rated control supply voltage Us at AC 50HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at AC 60HZ Routed control supply voltage Us at AC 60HZ Routed control supply voltage Us at AC 60HZ Routed control supply voltage Us at DC Voltage type for actuating Current measurement range Min. adjustable delay-on energization time Single-phase hysteresis Max. permitted delay-on energization time Single-phase hysteresis possible Nouter of contacts as normally closed contact Number of contacts as normally open contact Number of contacts as change-over contact External current transformer Width  Min. adjustable off-delay time Nouter of contacts as change-over contact Number of contacts as change-over co	Three-phase under current possible			No
Single-phase hysteresis possible  Contains function DC-voltage under current  Contains function DC-voltage over current  Function DC-current hysteresis  Rated control supply voltage Us at AC 50HZ  Rated control supply voltage Us at AC 60HZ  Rated control supply voltage Us at AC 60HZ  Rotted control supply voltage Us at AC 60HZ  Voltage type for actuating  Current measurement range  Min. adjustable delay-on energization time  Max. permitted delay-on energization time  Min. adjustable off-delay time  Min. adjustable off-delay time  Number of contacts as normally closed contact  Number of contacts as normally open contact  Number of contacts as change-over contact  External current transformer  Width  Max. permitted transformer  No  Max. permitted transformer  No  Max. permitted fort-delay time  No  Max. permitted off-delay time  No  No  No  No  No  No  No  No  No  N	Single-phase over current possible			No
Three-phase hysteresis possible Contains function DC-voltage under current Contains function DC-voltage over current Function DC-current hysteresis Rated control supply voltage Us at AC 50HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at DC Voltage type for actuating Current measurement range A 0 - 0  Min. adjustable delay-on energization time s 0  Max. permitted delay-on energization time s 0  Max. permitted off-delay time s 0  Max. permitted off-delay time s 0  No  Mumber of contacts as normally closed contact Number of contacts as normally open contact Number of contacts as normally open contact Number of contacts as change-over contact Number of contacts as	Three-phase over current possible			No
Contains function DC-voltage under current Contains function DC-voltage over current Function DC-current hysteresis Rated control supply voltage Us at AC 50HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at AC 60HZ Routed control supply voltage Us at DC Voltage type for actuating Current measurement range A 0 - 0 Min. adjustable delay-on energization time s 0 Max. permitted delay-on energization time s 0 Max. permitted off-delay time s 0 Max. permitted off-delay time s 0 No Mumber of contacts as normally closed contact Number of contacts as normally open contact Number of contacts as normally open contact Number of contacts as change-over contact Number of contac	Single-phase hysteresis possible			No
Contains function DC-voltage over current Function DC-current hysteresis Rated control supply voltage Us at AC 50HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at DC Voltage type for actuating Current measurement range A O O Current measurement range A O O Max. permitted delay-on energization time S O Max. permitted delay-on energization time S O Max. permitted off-delay time S O Mumber of contacts as normally closed contact  Number of contacts as normally copen contact  Number of contacts as change-over contact  External current transformer  Width  mm 18	Three-phase hysteresis possible			No
Function DC-current hysteresis Rated control supply voltage Us at AC 50HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at DC V V 16 - 30  Current measurement range A 0 - 0  Min. adjustable delay-on energization time s 0 Max. permitted delay-on energization time s 0 Min. adjustable off-delay time s 0 Min. adjustable off-delay time s 0 Min. adjustable off-delay time s 0 Number of contacts as normally closed contact Number of contacts as normally open contact Number of contacts as normally open contact Number of contacts as change-over contact External current transformer  With  mm 18	Contains function DC-voltage under current			No
Rated control supply voltage Us at AC 50HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at AC 60HZ Rated control supply voltage Us at DC Voltage type for actuating Current measurement range A 0 - 0  Min. adjustable delay-on energization time s 0 Max. permitted delay-on energization time s 0 Max. permitted off-delay time s 0 Number of contacts as normally closed contact Number of contacts as normally open contact Number of contacts as change-over contact External current transforme  Width  mm 18	Contains function DC-voltage over current			Yes
Rated control supply voltage Us at AC 60HZ  Rated control supply voltage Us at DC  Voltage type for actuating  Current measurement range  A00-0  Min. adjustable delay-on energization time  S00  Max. permitted delay-on energization time  S00  Max. permitted off-delay time  S00  Max. permitted off-delay time  S00  Munber of contacts as normally closed contact  Number of contacts as normally open contact  Number of contacts as change-over contact  External current transformer  Width  Mm 18	Function DC-current hysteresis			No
Rated control supply voltage Us at DC         V         16 - 30           Voltage type for actuating         DC           Current measurement range         A         0 - 0           Min. adjustable delay-on energization time         s         0           Max. permitted delay-on energization time         s         0           Min. adjustable off-delay time         s         0           Max. permitted off-delay time         s         0           Number of contacts as normally closed contact         s         0           Number of contacts as normally open contact         1         1           Number of contacts as change-over contact         0         No           External current transformer         mm         18	Rated control supply voltage Us at AC 50HZ	V	/	0 - 0
Voltage type for actuating  Current measurement range  A  0 - 0  Min. adjustable delay-on energization time  s  0  Max. permitted delay-on energization time  s  0  Min. adjustable off-delay time  s  0  Max. permitted off-delay time  s  0  Number of contacts as normally closed contact  Number of contacts as normally open contact  Number of contacts as normally open contact  Number of contacts as normally open contact  Number of contacts as change-over contact  Number of contacts as change-over contact  mm  18	Rated control supply voltage Us at AC 60HZ	V	1	0 - 0
Current measurement range  Min. adjustable delay-on energization time  s 0  Max. permitted delay-on energization time  s 0  Min. adjustable off-delay time  s 0  Max. permitted off-delay time  s 0  Max. permitted off-delay time  s 0  Number of contacts as normally closed contact  Number of contacts as normally open contact  Number of contacts as change-over contact  External current transformer  Width  mm 18	Rated control supply voltage Us at DC	V	1	16 - 30
Min. adjustable delay-on energization time  s 0  Max. permitted delay-on energization time  s 0  Min. adjustable off-delay time  s 0  Max. permitted off-delay time  s 0  Max. permitted off-delay time  s 0  Number of contacts as normally closed contact  number of contacts as normally open contact  Number of contacts as change-over contact  External current transformer  No  Width  mm 18	Voltage type for actuating			DC
Max. permitted delay-on energization time  s 0  Min. adjustable off-delay time  s 0  Max. permitted off-delay time  s 0  Number of contacts as normally closed contact  Number of contacts as normally open contact  Number of contacts as change-over contact  External current transformer  Width  mm 18	Current measurement range	А	Ą	0 - 0
Min. adjustable off-delay time  s 0  Max. permitted off-delay time  s 0  Number of contacts as normally closed contact  Number of contacts as normally open contact  1  Number of contacts as change-over contact  External current transformer  No  Width  mm 18	Min. adjustable delay-on energization time	S	3	0
Max. permitted off-delay time  Sumber of contacts as normally closed contact  Number of contacts as normally open contact  Number of contacts as change-over contact  External current transformer  Width  mm 18	Max. permitted delay-on energization time	S	3	0
Number of contacts as normally closed contact  Number of contacts as normally open contact  Number of contacts as change-over contact  External current transformer  No  Width  mm 18	Min. adjustable off-delay time	S	3	0
Number of contacts as normally open contact  Number of contacts as change-over contact  External current transformer  No  Width  mm 18	Max. permitted off-delay time	s	;	0
Number of contacts as change-over contact  External current transformer  No  Width  mm 18	Number of contacts as normally closed contact			0
External current transformer No Width mm 18	Number of contacts as normally open contact			1
Width mm 18	Number of contacts as change-over contact			0
	External current transformer			No
Height mm 93	Width	n	mm	18
	Height	n	mm	93
Depth mm 127	Depth	n	nm	127