



Type Examination Certificate

for Electrical Equipment used in Potentially Explosive Atmosphere

Issued by Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port CH65 4LZ, UK	
Applicant	BARTEC GmbH Max-Eyth-Str. 16, 97980 Bad Mergentheim, Germany
Manufacturer name	BARTEC GmbH Max-Eyth-Str. 16, 97980 Bad Mergentheim, Germany
Product name	HMI Supply Module
Type/model code	Type 17-A1Z0-0025 /-0028
Type of protection	Increased safety, Encapsulation, Intrinsic safety, Protection from dust
Group, Temperature Class and EPL	IIC, T4, Gb IIIC T80°C, Db
The equipment shall be marked with the following	See attachment 1
Ratings	See attachment 2
Special condition for safe use	See attachment 3
Certificate number	CML 24JPN2078X
Term of validity	From 17-04-2024 to 16-04-2027 

This is to certify that the equipment specified above complies with the requirements stipulated in Ordinance on Examination of Machines and Other Equipment of the Ministry of Health, Labour and Welfare, Japan.

Issue date: 17-04-2024

Signature of chief examiner:



Attachment 1: Marking

Ex eb ib ma [ia Ga] IIC T4 Gb

Ex tb ib [ia Da] IIIC T80°C Db

Ex eb ib ma IIC T4 Gb

Ex tb ib IIIC T80°C Db

Attachment 2: Ratings

Electrical data:

	Type: 17-A1Z0-0025	Type: 17-A1Z0-0028
Inputs	AC 100 – 240 V / 50/60 Hz / 0.1 A / 6 W	AC 100 – 240 V / 50/60 Hz / 0.01 A / 1 W
	DC 24 V / 0.2 A	DC 24 V / 0.05 A
Output	8 V / 0.5 A	----

Intrinsically safe supply values for 17-A1Z0-0025 /-0028:

U _i	=6 V
I _i	=500 mA
P _i	= 2 W
C _i	= 5.7 μF
L _i	= 0 μH

Ex-i-Interface 17-A1Z0-0025 for Scanner :

U _o	= 9.9 V
I _o	= 0.85 A
P _o	= 8.4 W
C _o	= 0.35 μF
L _o	= 2 μH

The maximum permissible ambient temperature range is:

-20 °C to +50 °C

Attachment 3: Special conditions

- Do not connect or disconnect the connecting cable on the supply side unless power has been switched off or the area is known to be non-hazardous.



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Issue: 0

- ii. The equipment shall be permanently installed.
- iii. The equipment shall only be cleaned with a damp cloth.
- iv. The Quick-Start-Guide shall be observed strictly.